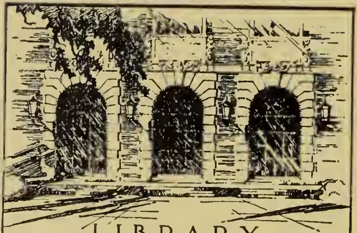

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VOL. 11 AUGUST, 1915 NO. 2

CURRENT TO AUGUST, 1915

CATALOG NUMBER

ANNOUNCEMENTS FOR 1915-16

PUBLISHED BY
THE CONNECTICUT AGRICULTURAL COLLEGE
STORRS, CONNECTICUT

UNIVERSITY OF ILLINOIS
[illegible]
PRESIDENT'S OFFICE

Entered as second-class matter at Eagleville, Conn.

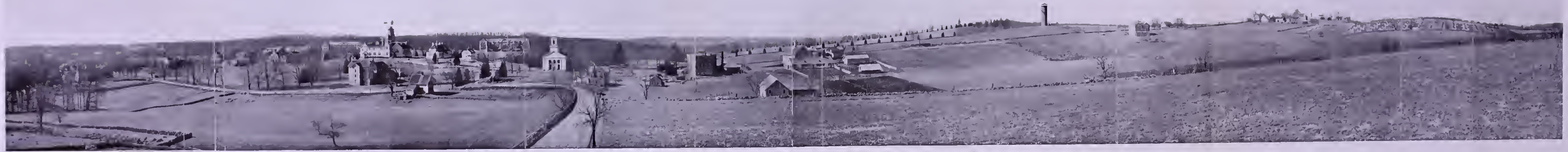
The Connecticut Agricultural College

COURSES OF STUDY

1. Four-year college course in Agriculture.
2. Four-year college course in Home Economics.
3. Two-year college course in Mechanic Arts.
4. Two year course in the School of Agriculture.
5. Two year course in the School of Home Economics.

CHARLES LEWIS BEACH,
President

The college reserves the privilege of making without previous notice such changes in courses or regulations as the interests of the institution seem to demand.



CAMPUS, BUILDINGS, AND FARM CONNECTICUT AGRICULTURAL COLLEGE

THE
CONNECTICUT
AGRICULTURAL COLLEGE
CATALOG

ANNOUNCEMENTS FOR 1915-16

STORRS, CONNECTICUT

HARTFORD
Published by the State
1915

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Florist

GEORGE A. BLAKE
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Chief Clerk

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Manager of the Boarding Department

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Professor Gulley
Professor Kirkpatrick
Professor White
Professor Monteith
Professor Smith
Professor Lamson

Mechanic Arts

Professor Fitts
Professor Wheeler
Professor Newton

Home Economics

Miss Hayes
Mrs. Cousley
Miss Whitney

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School of Agriculture students, Professor White
Home Economics students, Miss Hayes
Mechanic Arts students, Professor Fitts

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Professor Lamson
Professor Newton
Lieutenant Amory

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Professor Smith
Professor Wheeler
Professor Esten

Committee on Social Affairs

Professor Sinnott
Miss Hayes
Mr. Manter
Miss Thompson

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Mr. Garrigus
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*H. F. Judkins, B. S., Assistant Dairy Husbandman
L. E. Card, B. S., Assistant Poultryman

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*Division of time between instruction and experimental work

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Miss M. E. Sprague, Assistant in Boys' and Girls' Clubs
R. E. Jones, Poultryman
Karl B. Musser, A. M., Dairyman
H. O. Daniels, Farm Management Demonstrator
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W. C. Kennedy, B. S., County Agent, Windham County
W. A. Cook, County Agent, Hartford County.
F. E. Rogers, M. S., County Agent, New Haven County

CALENDAR FOR 1915--1916

1915

JULY

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1916

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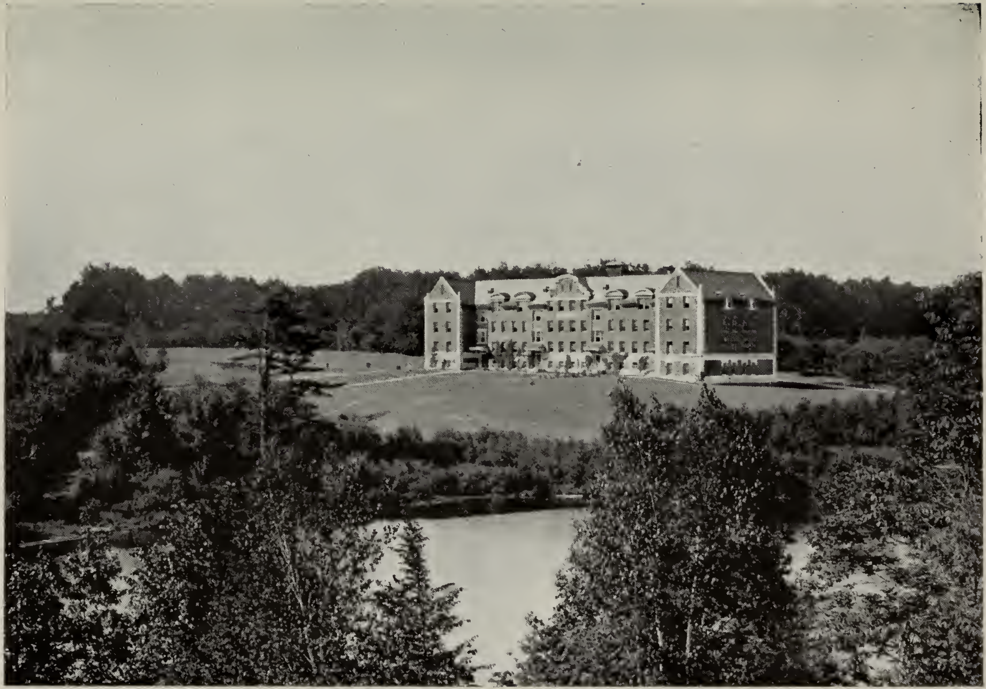

STORRS HALL, MEN'S DORMITORY

KOONS HALL, MEN'S DORMITORY

Calendar

1915-1916

		1915	FIRST SEMESTER
September	14	Tuesday	First semester begins with college assembly at 7:45 a. m.
November	24	Wednesday noon	Thanksgiving recess
through			
November	28	Sunday	
December	23	Thursday noon	Christmas recess
to			
January	3	Monday noon	
		1916	
January	28	Friday	First semester examinations end
January	29	Saturday	Midyear recess
through			
February	1	Tuesday	
			SECOND SEMESTER
February	2	Wednesday	Second semester begins with college assembly at 7:45 a. m.
February	22	Tuesday	Washington's birthday: a holiday
April	7	Friday	Easter recess
to			
April	10	Monday noon	
April	12	Wednesday	Ratcliffe Hicks prize orations due to be submitted before noon
May	12	Friday	Ratcliffe Hicks prize oration contest
May	30	Tuesday	Memorial day: a holiday after noon
June	2	Friday	Ratcliffe Hicks prize declamation contest
June	9	Friday	Second semester examinations end
June	11	Sunday	Baccalaureate service
June	13	Tuesday	Commencement
September	12	Tuesday	First semester begins with college assembly at 7:45 a. m.

The Connecticut Agricultural College

HISTORICAL SKETCH

In January, 1881, the Connecticut General Assembly established the Storrs Agricultural School, an institution which had its beginning in the public spirit of Mr. Augustus Storrs and Mr. Charles Storrs, his brother, natives of the town of Mansfield, where the school was located. The object of the school, as stated in the act establishing it, was the "education of boys whose parents are citizens of this state in such branches of scientific knowledge as shall tend to increase their proficiency in the business of agriculture."

A period of growth and development followed, in which the name of the institution was changed to Storrs Agricultural College, and in which the board of trustees admitted young women, providing for them education in such branches of knowledge as tend to increase proficiency in the art of housekeeping and homemaking.

As a college, this institution fell heir to federal income, proceeds from the land-grant act of 1862 and the Morrill act of 1890; became responsible for half the agricultural experiment station work in this state, for which annual provision had been made by the Hatch act of 1887; and found itself under moral and legal obligations to maintain the standard and the scope of education appropriate to the land-grant colleges, one of which by the acceptance of the federal support it had become.

The name Storrs Agricultural College was believed to be misleading. It seemed to designate a private institution. Therefore, to make manifest to all who might see or hear its name that this is a state institution, maintained by, and designed and conducted for the benefit of all citizens, its name was subsequently changed by the General Assembly to Connecticut Agricultural College, the name it now bears.

SUPPORT OF THE COLLEGE

That the college is in fact a state institution has become somewhat better known. It yet remains to be discovered by most citizens that this is a national college as well, deriving the greater part of its income from federal sources.

From the state the trustees at present receive for the college proper $40,000, and for the Storrs Experiment Station $4,500 a year. From the national government it now has the following fixed annual income: Under the land-grant act of 1862, $6,750; under the Morrill and Nelson acts, $50,000; and under the Hatch and Adams acts, providing for agricultural experiment stations, $15,000. The use of the federal funds is limited to certain specified objects—none of the first two amounts and only a small percentage of the last can be used for the construction or repair of buildings or for the purchase of land.

The state is required to cooperate by providing a suitable home for the college. Accordingly from time to time special appropriations have been made for the purchase of land and the erection of buildings.

From the federal funds are paid practically all the salaries of the officers of instruction and administration. The annual income regularly received from the state is devoted to the support and improvement of the college plant as a whole.

SYSTEM OF CONTROL

The control of the institution is vested in a board of trustees consisting of ten members including the Governor, —six appointed by the Senate for periods of four years each, two elected by the alumni of the college for four years, and one elected annually by the Board of Agriculture. The Governor is ex officio president of the board. The trustees elect their own officers, with the exception of their president. They also elect the college officers.

The president of the college, subject to the direction of the trustees, is its executive officer. He has the immediate supervision of all departments, and direction of all matters pertaining to the welfare of the college. He has the power of outlining the duties of each member of the institution. He may delegate this power to the heads of departments. All are responsible to him, or to those appointed by him, for the faithful discharge of their duties. The president of the college, furthermore, is charged by the trustees with the duty of nominating for election by them, if approved, professors and instructors to fill vacancies in all departments, and, upon approval by the trustees, has the power of asking for the resignation of the same for the neglect or non-performance of duties assigned, or when in his judgment the best welfare of the college demands a change. Finally, the president of the college is expected to be present at all meetings of the board of trustees, except when requested otherwise by them, and has the privilege of participating in all discussions; and he is ex officio a member of all standing committees of the board of trustees.

The faculty of the college is made up of the officers of instruction. It holds meetings when called by the president, for the consideration of courses of study, cases of discipline, and such other matters as pertain to the internal well-being of the college. All business, or any communication of the faculty touching the college or its departments, which requires such action, is presented to the board of trustees by the president of the college; it being provided that if he refuses to place such business or communication before the trustees within reasonable time, those concerned have the power of petitioning direct to the board.

The board of trustees, as a body and through special committees of their own number, are thus able to keep themselves closely cognizant at all times of the affairs of the institution, and constitute a responsible and effective board of control.

POLICY

In accordance with the spirit of the law under which the institution was organized, the policy of the college is "without excluding other scientific and classical studies and including military tactics, to teach such branches of learning as are related to agriculture and the mechanic arts in order to promote the liberal and practical education of the industrial classes in the several pursuits and professions of life."

It is the theory of the college that theoretical knowledge and practical instruction should be developed along with and not at the expense of those studies that tend to the production of cultured, broad-minded men and women. The college course in agriculture provides, therefore, for vocational training in agronomy, dairying, horticulture, and poultry husbandry, supplemented by liberal instruction in English, history, economics, and the sciences of chemistry, botany, physics, zoology, and bacteriology.

There is no shorter cut to proficiency in vocational education than in other lines of educational effort, and the faculty strongly advise prospective students to secure a thorough preparation in the high schools of the state before making application to the college, and after enrolment to pursue one of the regular college courses.

The state thus far has made no provision for agricultural education other than the agricultural college. A school of agriculture, therefore, is provided for those who have not the scholastic preparation required for admission to the college, or who prefer the shorter course.

A school of home economics provides a two-year course for the training of young women in the science and art of household management.

Agricultural Extension—Agricultural extension is an activity that aims to extend directly to the farmer the results of scientific research and experiments. An extension department has been organized, and funds for an expansion of its work have been provided by both the federal government and the state.

BUILDINGS

Main Building—The main building, erected in 1890, is a two-story structure with basement, and contains a chapel, offices, mathematics class room, the library and reading room on the first floor, and on the second floor recitation rooms for

English, history, and natural history, a museum, guest rooms and infirmary. The basement is used by the mechanical department for wood working, pattern making, and machine work.

Horticulture Building—The horticulture building is a three-story structure built of brick with cement trimmings at a cost of $30,000. In the basement are rooms in which to show and operate spray apparatus, rooms for storage of fruit and vegetables, and for the preparation of vegetables for market. The first floor is planned for a class room to seat 50 students, a working laboratory, and the necessary offices. The second floor has a laboratory for drawing and microscopic work, a museum, and a botanical laboratory. On the third floor is large class room and a laboratory for physics.

Greenhouses—The greenhouses embrace a forcing house for vegetables, one for roses and carnations, a large house in which to grow to full size the various economic plants of warmer countries, a propagating house for bedding plants, a vinery, and a students' laboratory. Connected with the greenhouses is a full set of rooms to carry out greenhouse operations, besides living quarters for a florist.

Dairy Building—This is a well-appointed building, three stories high, constructed of stone and brick. The basement is occupied by the dairy department and is used for the instruction of both the regular college students in agriculture and the dairy and creamery short course students of the winter school.

A room for stock judging is also on this floor. On the second floor are offices, bacteriology and soils laboratories, lecture rooms, museums, etc. The third floor is occupied by offices and by laboratories for bacteriology and agronomy. The building is equipped with boilers, engines, artificial refrigeration apparatus, steam heat, and gas.

Chemical Laboratory—A one-and-a-half-story frame building with basement, containing laboratories for qualitative and quantitative chemistry, class room, office for instructor, and laboratories used by the experiment station.

Experiment Station Office—A two-story frame building containing the offices of the director, the station library, and a mailing room.

Poultry Buildings—The poultry department is housed in a new four-story brick building 42x63 feet, which contains offices for the executive work of the department, class rooms, laboratories, incubator cellars, library and reading room, research laboratory, candling rooms, killing room, etc.

The poultry building is located approximately 1000 ft. north of the dairy building and close to the laying competition. The plant used for contest purposes includes fifty colony houses, each 12x12 ft., each house provided with a double yard 40x50 ft. The so-called old plant devoted chiefly to investigational work includes twenty-six colony houses, a larger laying house, outdoor brooders, colony brooders, brooder house, and numerous yards.

Farm Buildings—The farm barn, 41x70 feet, with new addition has feed storage capacity and accommodations for fifty head of dairy cattle. The horse barn, 40x80 feet, with new addition, is devoted to the housing of horses, vehicles, and feed. The additions to both of these barns recently made have largely increased their capacity. The additions are of hollow tile and cement construction. They were made upon an appropriation of $10,000 for each building. The farm has the use also of the barns upon the Jacobson place, now the property of the college.

Farm Machinery Building—A two-story brick building with cement floors and elevator was erected in 1915 for instruction in the operation and repairing of farm machinery.

Armory and Gymnasium—This is a brick and stone structure with slate roof and cement floors. One end is given over to a stage, dressing rooms, and band room. The other has a reception room, offices for the physical director and the commandant, and a faculty club room. The drill room and gymnasium has a floor 72 feet by 140 feet and a running track thirteen laps to the mile. In the basement are bowling alleys, shooting gallery, locker room and shower baths. Excavation has been made for a future swimming pool.

GROVE COTTAGE, WOMEN'S DORMITORY

DINING HALL

Dormitories, Storrs Hall—This is a semi-fireproof brick building with granite trimmings, erected in 1905 at a cost of $60,000. There are six single rooms and 30 suites of three rooms each, two bedrooms being connected with each of the thirty studies. It is steam-heated, equipped with shower and tub baths and dressing rooms with lockers, and is modern in all appointments. The dormitory is designed to accommodate 66 students.

Koons Hall—This building is practically a replica of Storrs Hall. Cement floors, however, have been used, and a few minor changes have been made in the interior arrangements and fittings. The appropriation for the building was $75,000.

Grove Cottage—Grove Cottage, the home of the young women of the college, is a frame building, erected in 1895 at a cost of $12,000. There are rooms for 20 students, a gymnasium, reception rooms, a sewing room for work in domestic science, and rooms for the lady principal and assistant and other teachers on the first and second floors. A laboratory for instruction in cooking and one for instruction in laundering are located in the basement.

The Dining Hall—The dining hall is a brick building with sandstone trimmings, in the form of a Maltese cross. The main part, 36x80 feet, is two stories with basement, and the two wings one story each with basement. The building contains a dining room with capacity for 200 students, kitchen, store rooms, steward's quarters, and rooms for help.

Dwelling Houses—There are on the college grounds eighteen dwelling houses, Whitney Hall with four apartments, and the Valentine house with three apartments, occupied by families of instructors and employees.

Water System—Water from a bored well 800 feet in depth is supplied to all buildings. An appropriation of $20,000 has recently been used to enlarge and improve the water system.

Sewage System—The sewage from the dormitories and main building is purified on sand filter beds, eight in number, each 20 feet by 30 feet in size and 4 feet deep. The beds are used in rotation, so that each bed works one day and rests seven. The effluent is practically odorless and non-putrescible.

LABORATORIES AND EQUIPMENT

College Lands—The lands owned by the college contain about 874 acres. The tillage land is divided among the farm, horticultural department, and experiment station, and is manipulated in such a manner as to illustrate the principles and processes of both general and specialized agriculture, including crop rotation, vegetable production, and fruit growing. It is also used for the conduct of experiments. The campus and wooded reservations furnish good facilities for scientific and practical instruction in landscape gardening, floriculture, road making, and forestry.

Agronomy—The college farm is an agronomy laboratory, and so far as time will permit the students are given instruction in soil management and the growth of farm crops, class room instruction being supplemented by observation and work in the field. The collection of farm tools is especially good. Many manufacturers request the privilege of sending various tools here for students' observation and use, and for actual work in the growing of farm crops. A laboratory for seed testing and for soil physics is equipped with suitable apparatus.

Horticulture—The outdoor equipment of the horticultural department embraces a trial orchard of over 400 trees largely apple, peach, and plum. These are in full bearing and include many rare as well as new and standard sorts. There is also a commercial orchard of apple and peach of about 15 acres, in bearing. There is a dwarf apple orchard on both doucin and paradise stock of 500 trees and many varieties, partly as a test of kinds on those stocks and partly as a test of the value of these trees from the commercial side. The vineyard of 1½ acres includes all the standard varieties, others less common, and also a vinery of foreign grapes.

The vegetable gardens have growing in them all the ordinary products of the various seasons, to which are added many kinds very rare or peculiar, so that students may become familiar with them. In the small fruit plantation all kinds usual to this altitude are fruiting.

On the campus about the buildings are growing a great variety of ornamental trees and shrubs, all now old enough to show their value for the purpose for which they were planted, also numerous kinds of herbaceous perennials, besides an extensive display of bedding plants in their season.

Creamery and Farm Dairy—The college creamery occupies a part of the basement of the dairy building, and a large connecting room is thoroughly equipped for farm dairy and creamery work. The farm dairy room contains all the important makes of hand separators and Babcock milk testers. It is provided with hand churns, cream ripening vats, and a complete outfit for the manufacture of hard and soft cheese.

The creamery room contains the latest style of combined churn and butter workers, a box churn, and a Mason butter worker; also a large butter printer, printing twenty-five pounds at once.

The power separator room contains the leading makes of separators, with all necessary fittings, and power for running them. The engine room contains two steam engines, one for running churns and separators, and the other for running the compressor of the refrigerating plant. There is also a steam sterilizer built of cement, and necessary sinks for washing cans and bottles.

The refrigerating plant is of the most approved style, and its use makes the creamery independent of ice for cooling purposes. The cold rooms, cream ripening vats, milk coolers, etc., are all connected with the brine pipes and can be cooled in a very short time.

Poultry Husbandry—The experimental poultry plant is stocked with several hundred fowls of different breeds and varieties including guineas, ducks and pigeons. There are available for students' use hoppers, automatic feeders, different styles of trapnests, and other poultry appliances.

Animal Husbandry—Live stock is used to illustrate the forms, types, and breeds of farm animals. The dairy herd contains pure bred animals of the four leading dairy breeds: Jersey, Guernsey, Ayrshire and Holstein. A flock of Shropshire sheep, Berkshire and Cheshire swine, two pairs of Devon oxen, a carload of Herefords, Shorthorns, and Angus heifers, a French coach stallion and mare, a pair of mules, with work teams and road horses, are used to illustrate the types and breeds of farm animals and for stock judging. Herd books are at hand and provide material for practice in tracing pedigrees and for the study of the leading strains and families of the different breeds of live stock.

The veterinary class room contains skeletons of the ox and the horse, a horsikin in papier-mache, and other models and specimens for illustrating lectures in anatomy and veterinary medicine.

Home Economics Department—The laboratory is in the basement of Grove Cottage. It is fitted with hot and cold water, and coal ranges and blue-flame oil stoves are used. The portable equipment, in the shape of desks, cupboards and utensils, is in every way complete and modern. The desks are arranged for individual work, which is much more valuable to the student than group work. One end of this room is fitted up for a dining room with dining table, sideboard, china closets, table linen, silverware, and dainty but inexpensive dishes necessary for the serving of simple meals in a private family. Sewing Rooms—Two large, airy rooms are devoted to this part of the work. Small sewing tables for hand sewing are provided for one room. In the second room are large tables for drafting and cutting. Here are five sewing machines of both the lock-stitch and automatic variety.

The Machine Shop, located in the basement of the main building, is equipped with a twelve horse-power gasoline engine, one iron shaper, two drill presses, three metal-turning lathes, one speed lathe, seven wood-turning lathes, one wood planer, one emery grinder, one hand trimmer, one band-saw, one combination saw-bench, and ten benches equipped with hand tools for pattern making.

The Woodworking Shop is equipped with benches and hand tools for the accommodation of twenty-five students.

Forging—Ten forges with anvils and necessary tools are installed in a leased shop near the campus.

Mechanical Drawing—A room in Whitney Hall is equipped with desks, drafting boards, and designs for instruction in mechanical drawing.

Surveying—The equipment consists of transits, levels, compasses, a plane-table, and a full assortment of smaller instruments and accessories for instruction in surveying.

Chemistry—The main laboratory, which is used by classes in elementary and qualitative chemistry, contains desks, lockers, and ample individual equipment for seventy-two students. Besides this individual equipment the laboratory is provided with a very full line of chemicals and with balances, draft hoods, electricity, gas, and many other modern laboratory conveniences.

The quantitative laboratory contains besides the usual desks and individual equipment every convenience for carrying on the work in quantitative analysis and agricultural chemistry. On the same floor and within easy access of the student is a chemical library which contains very many valuable chemical books and current journals and periodicals.

Physics—The physics department occupies two well-lighted rooms on the third floor of the horticultural building. The laboratory is fitted up with large working tables and a full equipment of new physical apparatus necessary for a complete laboratory study of the elements of mechanics, heat, light, sound, and electricity. The physics lecture room directly off the laboratory contains a large lecture table and many costly pieces of apparatus used for demonstration purposes.

Botany—The botanical department is provided with 30 compound microscopes and has dissecting microscopes, tables, and general laboratory equipment for sections of 30 students. An autoclave, an incubating and a dry sterilizing oven, and a Jung Thoma microtone are used in the advanced courses. The botanical museum is furnished with a set of Hough's wood sections, a series of tree trunks cut to show the three sections, a set of Riker mounts showing tree specimens in summer and winter condition, cases with alcoholic specimens, an herbarium with a good working collection of the local flora of Connecticut, and a small departmental library.

Agricultural Botanic Garden—This comprises at present one acre of land and is designed to serve as a field museum of agriculture. The largest section is given over to a systematic arrangement according to families of the most important economic plants. Thus among the legumes there are shown growing in separate plots the various clovers, vetches, alfalfas, beans, peas, etc., as well as some of the more common wild leguminous plants. A section is devoted to plots illustrating laws of variation and inheritance, and another section to children's gardens.

The botanic garden is used for demonstration purposes and as a supply of material for class work in both the college and summer school courses.

Forestry—The wood lots belonging to the college comprising about 200 acres, together with the plantation of locusts, red and white pine, give an excellent opportunity for field work in forestry. The department is equipped with the necessary instruments for forest survey and mensuration.

Bacteriology—The teaching and research laboratories for bacteriology are located on the second and third floors of the dairy building. Both laboratories are equipped with hot and cold water, gas, steam, refrigeration, sterilizers, incubators, balances, microscopes, and other apparatus for instruction and investigation.

Zoology—Students have abundant opportunity to see and study the different types of animals, both the invertebrate and the vertebrate forms. The museum contains types of all the important classes of animals, and the laboratory is well provided with compound and dissecting microscopes, together with aquaria and breeding cages for the dissection and study of such animals as are generally used in courses of zoology. The specimens used for dissection are procured in the vicinity of the college and from Wood's Holl, Mass.

Entomology—The collections of insects include those of greatest economic importance, together with large numbers of the common insects found in Connecticut. The college provides the material for the dissection of the types of insects used in the study of entomology and a case in which a collection made by the students during the spring of the sophomore year and the fall of the junior year may be kept throughout that period. The library is well supplied with books on entomology, together with the bulletins from the different experiment stations and the Department of Agriculture at Washington. These are used for reference work in the courses of entomology.

Museum—The museum contains type specimens of all the important classes of animals from the protozoa to the vertebrata, the number varying according to the importance of the different classes of animals. The collection of gastropods is relatively large in number, while the most valuable portion of the museum is a collection of well-mounted birds. In addition to the collection of animals the museum contains numerous rocks, minerals, and fossil-bearing rocks, together with Indian implements.

Library—The college has an excellent library of above 13,000 books and 1,000 pamphlets, carefully indexed and classified. In the library, in addition to standard reference books on scientific and general subjects, and besides the works of the leading authors in the field of English and American literature, there is a reading room provided with the current magazines and a good assortment of daily and weekly newspapers of national and local interest. This is open during term time at convenient hours, except Saturday, when it is closed during the afternoon, and Sunday, when it is open only part of the day.

Gilbert Farm—From the estate of the Late Edwin Gilbert of Georgetown, Connecticut, the college received the generous

gift of a large farm, with all the live-stock and equipment on it, and an endowment fund of $60,000. The execution of the conditions of the bequest will by degrees, it is expected, introduce into the southwestern portion of the state the methods of tillage, animal husbandry, and fruit growing approved and practiced by the college.

Summary—Inventories of the college lands, buildings, and equipment at Storrs show values of approximately $700,000.

STORRS AGRICULTURAL EXPERIMENT STATION

The Storrs Agricultural Experiment Station was established by act of Congress approved March 2, 1887, and accepted by resolution of the General Assembly, May 18, 1887. By order of the trustees it is a department of the agricultural college.

The purpose of the experiment station is the promotion of agricultural science by investigation and research, and by making experiments whose results may render practical and efficient aid to the farmers of the state in the pursuit of their calling.

The principal work conducted by the Connecticut Storrs Station has been along the lines of food and nutrition of man and animals, bacteriology of soils and dairy products, field experiments, fertilizers, soil tests, cover crops, nitrogen experiments, horticulture, and poultry and dairy husbandry.

The income of the station for the present year is $4,500 from the state treasury, and from federal sources $7,500 from the Hatch fund and $7,500 from the Adams fund.

As authorized by law, the station issues a biennial report and frequent bulletins. The latter are now printed in editions of ten to fifteen thousand. These reports and bulletins are free to all residents of the state upon application, and to others so far as the supply will allow.

Eight members of the station staff devote their time to both experimental work and teaching, four members devoting their entire time to investigations.

MILITARY SCIENCE

The military instruction is under the charge of an officer of the United States army. The aim of the department is to qualify young men for positions as commissioned officers of volunteer forces. Additional advantage of military drill is evidenced in the acquirement of a dignified carriage of person, habits of neatness, order, and punctuality, and amenability to discipline. A full complement of United States magazine rifles, accoutrements, and ammunition is furnished by the federal government. A large pit of earth and masonry is provided with drop targets. With flags, drums, and bugles the college has complete facilities for military drill and target practice.

Every male undergraduate student, able to perform military duty and not excused for sufficient cause, is required to drill. The instruction is not optional with the student or faculty, but is prescribed by the act of Congress under which the college receives federal support.

SITUATION AND MEANS OF ACCESS

Location—The Connecticut Agricultural College is located at Storrs, in the town of Mansfield, Tolland County. It is somewhat more than six hundred feet above sea level, and in the midst of the pleasant scenery and healthful surroundings for which this part of the state is known. Aside from the college, Storrs consists of but a few scattered homes. The community, consequently, centers in the college—the whole being a little world by itself, and remarkably free from those things which at many places are wont to distract the attention of students and to dissipate their energies to no good educational purpose.

Railway Stations—Storrs is three miles east of Eagleville, on the Central Vermont Railroad, and eight miles north of Willimantic, a railroad center. Between the Willimantic station and Storrs an auto ’bus makes two regular trips daily, with a fare of fifty cents, leaving Willimantic after arrival of trains at 10 a. m. and 6 p. m. The charge for carrying a trunk is fifty cents. Practically all travel to the college is by way of Willimantic.

Telephone, Telegraph, and Post Office—Communication with the college may be had by telephone through the Willimantic exchange, or by telegraph, the telegram being addressed to Willimantic. A post office is conducted at the college, and letters should be addressed to Storrs, Conn. There are two mails a day.

STUDENT ACTIVITIES

Athletics—The students maintain an athletic association which supports teams in football, baseball, and track athletics, and there are tennis courts for student use. The dues of the athletic association are at present six dollars a year.

The Campus—A college paper is edited and published by the students. It is an exponent of college life, reflecting the feelings, interests, abilities, and progress of the students.

Societies and Clubs—There are a number of literary and social clubs, open by election to male students of the college, and a similar organization is supported by the young women. An agricultural club, a glee club, and a dramatic club are maintained by the students, and also a students' organization for the transaction of business pertaining to the student body as a whole.

STUDENT EXPENSES

Fees—The college gives free tuition to students whose parents are legally residents of Connecticut. Students from outside the state are charged a tuition fee of $30 a semester (the college year being divided into two semesters of eighteen weeks each). All students will pay a fee of $50 a semester to cover registration, heat, light, breakage, laboratory fees, room rent, etc. This fee to day students will be $25. **All fees must be paid before registration at the beginning of each semester.**

Board—At present table board is furnished on the following plan· A minimum charge, based upon cost, is made for bread, butter, milk, vegetables, cake, sauce, service and other fixed charges. Meat, eggs, fish, fruit, and dessert are served a la carte. For such orders coupon books are used. These are sold for cash only at $5 each, and are not transferable. The average cost of board has been about $4.20 a week. No reduction is allowed for less than one week's continuous absence, and then only when notice is given in advance to the steward. Students are not allowed to board themselves in the dormitories.

Lodgings—The furniture in the dormitories consists of a three-quarter or single bed, mattress, table, bureau, and chairs for each student. The occupants provide their own pillows and bed clothing, and, if they choose to do so, may bring such furnishings as pictures, rugs, and curtains. The dormitories are lighted by electricity. Students are held responsible for their apartments, and any damage to property is chargeable to the occupants of the room. Room keys are furnished each student. A charge of $1 is made for each key not returned.

Breakage—All breakage of tools and apparatus and damage to college property is chargeable to the students at fault.

Military Uniforms—A complete military uniform, including cap, coat, trousers, shirt, and gloves, is furnished at a cost of about $17. This uniform must be worn at drill, inspection, and ceremonies. The suit is neat and serviceable and can be worn on any occasion. Measures are taken at the college, and orders are filled by some approved maker who has been selected and who furnishes the suit at a considerable reduction from the usual retail rates.

Books—The college furnishes text-books, stationery, drawing instruments, and supplies, at cost.

Laundry—A laundryman collects twice a week, and gives special rates to students.

Deposits—All students who intend to reside at the college are required to make a deposit of $75 at the chief clerk's office before registration. This sum may not be drawn upon until the end of the year, but it may then be applied to the last bills. Any balance remaining will be returned. Day students pay cash for all supplies. Students who order military uniforms will be required to make an additional deposit of $18.

Music—A charge of 50 cents a lesson is made for private instruction in music.

Payment of Bills—Bills are payable monthly, and **registrations will not be accepted at the beginning of either semester until all bills rendered previously have been paid.** Paying the required deposits and fees, together with the prompt payment of bills as presented, obviates the necessity on the students' part of furnishing bondsmen, and affords a reasonable protection to the college in the matter of student accounts.

Payable at the Beginning of the Year

Deposit	$75 00
Semester fee	50 00
Deposit for uniform (if ordered)	18 00
Tuition (non-residents)	30 00
All bills rendered	

Payable at the Beginning of the Second Semester

All bills rendered	
Semester fee	$50 00
Tuition (non-residents)	30 00
Deposit for uniform (if ordered)	18 00

Self Help—A student may work at paid manual labor, if **his general conduct is good and he maintains a good standing in his studies, provided there is such labor to be performed.** Students who desire to work at paid labor should make application to the various officers of the institution in whose departments they are interested. Compensation varies from 10 to 15 cents an hour, according to the value of the work done.

It should be noted that, while it is the policy of the college so far as possible to employ students for routine labor, a student should not expect to pay all expenses by this means. **The student's time is needed first of all for his studies.** Those who depend for the most part upon their own earnings must expect to forego the sports and leisure in which others may more often indulge.

Occasionally a young woman finds work in some family of the neighborhood by which she is able to earn her board.

Expenditures for board, books, laundry, and semester fees average about $300 a year. A few economical and industrious students have paid a considerable part of their expenses by their own efforts, working about the college farm, campus, and buildings; but the college does not guarantee to furnish any student work to enable him to do this.

Louden Loan Fund—The sum of $200, the gift of Elizabeth Valentine Louden, is available for the assistance of worthy students to enable them to finish their courses in college. Applications for loans must be made in writing, addressed to the president of the college.

Grange Scholarships—Students at the college who are members of the grange may borrow not to exceed $100 per year from the State Grange of Connecticut at the discretion of the Executive Committee of the State Grange. Borrowers will give their notes, which must be endorsed by two holders of unincumbered real estate, and will pay two per cent. interest. Applications for these loans should be made in writing to Professor C. A. Wheeler, Storrs, Ct. About one thousand dollars is available.

PRIZES AND HONORS

Ratcliffe Hicks Prizes for Orations—Five seniors in regular standing will be appointed upon recommendation of the instructor in junior English to compete for two prizes of $20 and $15 respectively. Their orations must occupy not less than ten minutes in delivery and not more than fifteen minutes, must be the students' unassisted work, and must be approved by the instructor who made the appointment. Orations must be type-written and handed to the secretary of the faculty by noon on the second Wednesday in April. The contest will be held on the second Friday evening in May, and the prizes will be awarded by a committee of judges, who will pass upon both composition and delivery, equal weight being given to each.

Ratcliffe Hicks Prizes for Declamation—A contest open to all regular juniors and sophomores, with two prizes of $15 and $10 respectively. Three speakers from each class will be appointed on recommendation of the instructor in public speaking and will take part in a contest held on the Friday evening before the final examinations of the year. The contestants may be coached by the instructor in public speaking. A student winning first prize will not be eligible to compete again.

Alumni Prizes in Practical Agriculture—For the purpose of promoting interest and proficiency in the art of agriculture the Alumni Association has offered prizes, to be competed for at commencement by members of the graduating class.

Cadet Appointments and Awards—The officers of the college military company are appointed and promoted according to their proficiency in military science and drill, their soldierly bearing, and their good conduct.

The highest officers, in recognition of their efficient work, receive at the end of a year of successful service the following prizes: Major, $25; three captains, $25 each; five first lieutenants, $20 each; chief musician, $20; three second lieutenants, $15 each; three first sergeants, $10 each. No officer reduced to the ranks for breach of discipline is awarded either the whole or any portion of one of these prizes. Eight inspectors in the dormitories are paid $3 a month for their services.

SCHOLARSHIP HONORS

The names of students who have attained an average grade of A or B will be published each year in the catalog.

SYSTEM OF GRADING

Grades are reported by the secretary of the faculty as soon as possible after the completion of the work of each semester, and the following letters are used for this purpose: A, meaning **excellent**; B, meaning **good**; C, meaning **fair**; D, meaning **a bare passing grade**; E, meaning **a failure** and, therefore, a **condition** in the subject indicated.

ADVISERS

The members of the status committee will act as advisers to students in matters relating to scholarship and choice of courses of study. Instructors are expected to report delinquent students through the president to the proper adviser, who will investigate each case and submit to the faculty his recommendations.

SCHOLARSHIP REGULATIONS

Students must carry minimum schedules of 15 units a week (1 hour of laboratory work or drill=½ unit). They must pass in military drill and in 50 per cent of their other work for each semester, or drop back a class, or withdraw from college. A semester mark of 85 per cent. in any subject will in general excuse a student from examination in that subject. The allowance of absences from any course except military drill will equal each semester the number of units a week in the course. This allowance is expected to cover all minor ailments and occasional absences on leave. For further absences without acceptable excuse penalties are provided.

FARM EXPERIENCE

Beginning with the class entering the college course in agriculture in 1915, three months of actual farm experience will be required for graduation.

CONDUCT OF STUDENTS

The aim of the faculty is to influence students to cultivate habits of application, self-control, truthfulness; a high sense of honor, and an interest in maintaining the moral welfare of the institution. A students' organization, a faculty discipline committee, and a student advisory committee are instrumental in maintaining such conduct as seems desirable in an educational institution. A copy of the rules in force will be furnished students on enrolment, and each student will be expected to read them carefully and obey them implicitly.

PUBLIC LECTURES

There are occasional lectures and other public exercises during the year. Department lectures by dairy, poultry, and horticultural experts from abroad supplement the regular instruction of the class room with the experiences of practical life. Farmers' institutes and field meetings are held occasionally at the college.

RELIGIOUS EXERCISES

Students who choose to do so attend the services of a Congregational church, which has assigned seats for their use. This is the church attended by most of the college faculty. There are churches of other denominations in neighboring villages.

COLLEGE ASSEMBLY

Attendance at College Assembly is required of all students whose parents or guardians do not present written requests to the contrary based upon objections to the form of the religious exercises.

HORTICULTURE BUILDING

DAIRY BUILDING

Admission Requirements

All applicants for admission must be at least sixteen years of age, and must pledge that if admitted they will comply in good faith with the rules and administrative regulations of the college. Satisfactory letters of dismissal will be required of applicants who have been in attendance at other colleges.

B. S. Course in Agriculture—Admission to this course will be granted to those who present certificates showing graduation from any four-year secondary school.

B. S. Course in Home Economics—Same requirements.

College Course in Mechanic Arts—Same requirements.

School of Agriculture and School of Home Economics—Admission to these courses will be granted to those who present credentials showing the completion of eighth-grade work in the elementary schools.

Special Students—Students who are not candidates for graduation may be admitted to the college courses as special students, provided they can meet the regular entrance requirements, or are graduates of the School of Agriculture or Home Economics, or are twenty-one years of age and can present satisfactory evidence that they are fully qualified to pursue successfully the work desired. No special students are accepted in the School of Agriculture or School of Home Economics.

A special student must submit for approval a schedule for the entire year which can be taken without any conflicts and for which he has the prerequisites. Such schedules must include at least fifteen units of work a week, of which at least ten must be lectures or recitations. Special students will not be ranked officially with any class, but will be held to the same requirements and regulations as are regular students, including military drill. In view of the difficulty of arranging special schedules, students are strongly urged to follow one of the regular courses.

Directions to Prospective Students

Those expecting to become students in the college should carefully examine this catalog, especially the sections found under the headings **Expenses, Deposits, and Admission Requirements.** In addition, the following directions may be found serviceable and should be observed.

1. Write for the formal application blank, answer the questions it contains, and mail it to the president.

2. Make application at your earliest convenience in order to facilitate dining-room and dormitory arrangements.

3. Check trunks to Willimantic. Send freight and express to Eagleville. Tag with your name and destination all trunks, bags, or boxes, using special tags provided by the college, which may be had by applying for them.

4. Send notice in advance, indicating the day of your arrival.

5. Upon arriving at the college, call at the office of the chief clerk to make your deposit, pay the required fees, and secure a registration card and a room key.

6. Examine the college bulletin board for schedules of classes and other important notices.

Courses of Study

The liberal, scientific, and practical education provided by the Connecticut Agricultural College is indicated in the schedules and detailed descriptions of courses that will be found upon the pages following.

I. **College Course in Agriculture**—A four-year course designed primarily for the training of young men as scientific farmers, teachers, investigators, and agricultural experts. The course embraces: (1) the sciences that bear directly upon practical agriculture—botany, chemistry, geology, zoology, veterinary science, physics, entomology, and bacteriology; (2) culture and mental discipline studies, such as mathematics, English composition and literature, German or French, history, and economics; and (3) vocational studies, including agronomy, dairy and poultry husbandry, and horticulture. The schedule of the junior and senior years is arranged to allow a choice between horticulture, dairy husbandry, poultry husbandry, and science.

II. **College Course in Home Economics**—For the benefit of girls who wish a more advanced course in scientific and home economics subjects than is given in the School of Home Economics, there is offered a four-year college course. This course is planned to give work of college grade in the sciences and a preparation in their subject matter for future use in teaching, etc. With summer school work in methods of teaching, etc., a girl completing this course should be prepared to teach in the secondary schools of the state.

III. **College Course in Mechanic Arts**—A two-year course designed to give instruction in drafting and machine-shop work. The schedule includes: (1) mathematics, chemistry, and physics; (2) German or French, English, and history; and (3) vocational training in woodworking, wood turning, pattern making, forging, shop work, and mechanical drawing.

IV. School of Agriculture—A two-year course designed for the training of young men for the profession of farming. The schedule includes: (1) elementary instruction in the sciences of chemistry, physics, botany, and entomology; (2) English, public speaking, history, and civics; and (3) vocational studies including agronomy, dairy and poultry husbandry, and horticulture.

V. School of Home Economics—A two-year course designed for the training of young women in the science and art of household management. The schedule includes: (1) elementary instruction in chemistry, physics, and botany; (2) English, public speaking, history, and civics; and (3) vocational instruction in sewing, dressmaking, cookery, household hygiene and management, laundering, waitress work, invalid diet, and emergencies and home nursing.

Schedules of Courses

COLLEGE COURSE IN AGRICULTURE

FRESHMAN YEAR

FIRST SEMESTER

	Hours a week
French 1 (63) or German 1 (61) Mathematics* (59)	4
English 1 (65)	4
Chemistry 1 (50)	2 (4)
Botany 1 (46)	2 (4)
Surveying (60)	1 (3)
Mechanical Drawing 1 (71)	(2)
Drill (72)	(3)
	13(16)

SECOND SEMESTER

	Hours a week
French 1 (63) or German 1 (61) Mathematics* (59)	4
English 1 (65)	3
Chemistry 1 (50)	2 (4)
Botany 1 (46)	2 (4)
Poultry 1 (35)	3 (2)
Drill (72)	(3)
	14(13)

SOPHOMORE YEAR

French 2† (64) or German 2 (62)	3
Zoology 1 (55)	2 (4)
Physics (52)	3 (2)
Geology (56)	3
Horticulture 1 (26) (Vegetable Culture and Fruit Growing)	4 (3)
Public Speaking 1 (69)	1
Drill (72)	(3)
	16(12)

French 2† (64) or German 2 (62)	3
Zoology 1 (55)	2 (4)
Bacteriology 1 (53)	2 (4)
Dairying 1 (15) (General Dairying)	2 (3)
Agronomy 1 (11) (Soils)	4 (3)
Military Science (73)	1
Drill (72)	(3)
	14(17)

Numbers in parentheses after the names of courses refer to detailed outlines of the courses, which immediately follow these schedules in numerical order. Hours in parentheses represent laboratory or practice work.

*Required of students who have had a year of both French and German. Those who have had only one of these languages must take the other.

†All sophomores must take French 2 or German 2. Those who have had only one year of either language must continue it; those who have had two or more years of both or a year of each may choose either.

COLLEGE COURSE IN AGRICULTURE

JUNIOR YEAR

FIRST SEMESTER	Hours a week	SECOND SEMESTER	Hours a week
Chemistry 2 (51)	2 (3)	Chemistry 2 (51)	2 (3)
Entomology (57)	3 (2)	English 2 (66)	3
Genetics (48)	2 (2)	Public Speaking 2 (70)	1
Agronomy 2 (12) (Field Crops)	3 (2)	Agronomy 3 (13) (Agr. Engineering)	2 (2)
Drill (72)	(3)	Animal Husbandry (25)	3 (2)
		Drill (72)	(3)
	10(12)		11(10)

And one of the following groups

HORTICULTURE

Horticulture 2 (27) (Fruit Varieties and Spray Formulas)	2 (3)	Horticulture 4 (29) (Greenhouse Management)	2 (3)
Horticulture 3 (28) (Plant Diseases)	2	Horticulture 5 (30) (Horticultural Practice)	(3)
	14(15)		13(16)

DAIRY HUSBANDRY

Dairying 2 (16) (Milk Production)	2 (3)	Dairying 4 (18) (Commercial Dairying)	2 (3)
Dairying 3 (17) (Animal Nutrition)	3	Dairying 5 (19) (Dairy Cattle Judging)	1 (2)
	15(15)		14(15)

POULTRY HUSBANDRY

Poultry 2 (36) (Poultry Culture)	2 (3)	Poultry 4 (38) (Poultry Culture)	2 (3)
Poultry 3 (37) (Poultry Judging)	1 (2)	Poultry 5 (39) (Incubation and Brooding)	1 (3)
	13(17)		14(16)

SCIENCE

Botany 2 (47)	2 (6)	Botany 2 (47)	2 (6)
	12(18)		13(16)

COLLEGE COURSE IN AGRICULTURE

SENIOR YEAR

FIRST SEMESTER	*Hours a week*	SECOND SEMESTER	*Hours a week*
History (67)	3	History (67)	3
Economics (68)	3	Economics (68)	3
Agronomy 4 (14) (Farm Management)	3 (2)	Forestry (49)	2 (3)
Drill (72)	(3)	Drill (72)	(3)
	9 (5)		8 (6)

And one of the following groups

HORTICULTURE

Horticulture 6 (31) (Commercial Horticulture)	2 (3)	Horticulture 8 (33) (Landscape Gardening)	2 (3)
Horticulture 7 (32) (Botanic Horticulture)	2	Horticulture 9 (34) (Plant Breeding)	2 (2)
Botany 2 (47) or Dairying 2 (16) or Poultry 2 (36)	2 (3)	Botany 2 (47) or Dairying 4 (18) or Poultry 4 (38)	2 (3)
	15(11)		14(14)

DAIRY HUSBANDRY

Dairying 6 (20) (City Milk Supply)	2 (3)	Dairy 8 (22) (Herd Improvement)	3 (2)
Dairying 7 (21) (Cheese Making)	1 (3)	Dairying 9 (23) (Dairy Seminar)	2
Veterinary Science (24)	2	Bacteriology 2 (54) or Horticulture 4 (29) or Poultry 4 (38)	2 (3)
Bacteriology 2 (54) or Horticulture 2 (27) or Poultry 2 (36)	2 (3)		
	16(14)		15(11)

POULTRY HUSBANDRY

Poultry 6 (40) (Commercial Poultry Keeping)	2 (3)	Poultry 9 (43) (Commercial Poultry Keeping)	2 (3)
Poultry 7 (41) (Poultry Pathology)	1	Poultry 10 (44) (Experimental Methods)	1
Poultry 8 (42) (Poultry Judging)	1 (3)	Poultry 11 (45) (Pen Management)	(4)
Zoology 2 (58) or Dairying 2 (16) or Horticulture 2 (27)	2 (3)	Zoology 2 (58) or Dairying 4 (18) or Horticulture 4 (29)	2 (3)
	15(14)		13(16)

SCIENCE

Bacteriology 2 (54)	2 (6)	Bacteriology 2 (54)	2 (6)
Zoology 2 (58)	2 (6)	Zoology 2 (58)	2 (6)
	13(17)		12(18)

COLLEGE COURSE IN HOME ECONOMICS

FRESHMAN YEAR

FIRST SEMESTER	*Hours a week*	SECOND SEMESTER	*Hours a week*
French 1* (63) or German 1 (61) or Mathematics (59)	4	French 1* (63) or German 1 (61) or Mathematics (59)	4
English 1 (65)	4	Poultry 1 (35) or	3 (2)
Chemistry 1 (50)	2 (4)	English 1 (65)	3
Botany 1 (46)	2 (4)	Chemistry 1 (50)	2 (4)
Sewing (82)	1 (3)	Botany 1 (46)	2 (4)
Cooking (75)	1 (3)	Sewing (82)	1 (3)
		Cooking (75)	1 (3)
	14(14)		13(16)

SOPHOMORE YEAR

FIRST SEMESTER	*Hours a week*	SECOND SEMESTER	*Hours a week*
French 2† (64) or German 2 (62)	3	French 2† (64) or German 2 (62)	3
Zoology 1 (55)	2 (4)	Zoology 1 (55)	2 (4)
Physics (52)	3 (2)	Bacteriology 1 (53)	2 (4)
Horticulture 1 (26)	4 (3)	Dairying 1 (15)	2 (3)
Public Speaking 1 (69)	1	Dressmaking (83)	1 (3)
Dressmaking (83)	(3)	Cooking (76)	2 (2)
Cooking (76)	1 (2)		
	14(14)		12(16)

JUNIOR YEAR

FIRST SEMESTER	*Hours a week*	SECOND SEMESTER	*Hours a week*
Chemistry 2 (51)	2 (3)	Chemistry 2 (51)	2 (3)
Genetics (48)	2 (2)	English 2 (66)	3
Household Management (78)	1 (2)	Public Speaking 2 (70)	1
Textiles and Dressmaking (84)	2 (3)	Household Management (78)	2
Principles of Teaching (80)	2	Design and Millinery (85)	(2)
Botany 2** (47)	2 (6)	Principles of Teaching (80)	2
		Nutrition (77)	2 (2)
		Botany 2** (47)	2 (6)
	11(16)		14(13)

SENIOR YEAR

FIRST SEMESTER	*Hours a week*	SECOND SEMESTER	*Hours a week*
History (67)	3	History (67)	3
Economics (68)	3	Economics (68)	3
Design (86)	(2)	Home Nursing (79)	1 (1)
Teaching Household Arts (81)	2 (4)	Teaching Household Arts (81)	2 (4)
Bacteriology 2** (54)	2 (6)	Bacteriology 2** (54)	2 (6)
Zoology 2** (58)	2 (6)	Zoology 2** (58)	2 (6)
	12(18)		13(17)

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*Students who have had neither language may choose either. Those who have had one must choose the other. Those who have had a year or more of both may take mathematics or review a language.

†Students who have had only one year of either language must continue it. Those who have had two or more years of both or a year of each may choose either.

**Horticulture, dairying, or poultry husbandry as shown in the junior and senior years of the college course in agriculture may be selected in place of science.

COLLEGE COURSE IN MECHANIC ARTS

FRESHMAN YEAR

FIRST SEMESTER

	Hours a week
French 1 (63) or German 1 (61)	4
Mathematics (59)	4
English 1 (65)	4
Chemistry 1 (50)	2 (4)
Surveying (60)	1 (3)
Mechanical Drawing 2 (87)	(2)
Wood Turning and Pattern Making (89) (90)	(3)
Drill (72)	(3)
	15(15)

SECOND SEMESTER

	Hours a week
French 1 (63) or German 1 (61)	4
Mathematics (59)	4
English 1 (65)	3
Chemistry 1 (50)	2 (4)
Mechanical Drawing 2 (87)	(3)
Pattern Making and Forging (90) (91)	(3)
Drill (72)	(3)
	13(13)

SOPHOMORE YEAR

French 2 (64) or German 2 (62)	3
Physics (52)	3 (2)
Chemistry 2 (51)	2 (3)
Applied Mechanics (94)	2
Mechanical Drawing 3 (88)	(2)
Machine Shop (92)	(6)
Drill (72)	(3)
	10(16)

French 2 (64) or German 2 (62)	3
Physics (93)	3 (2)
Chemistry 2 (51)	2 (3)
Applied Mechanics (94)	2
Mechanical Drawing 3 (88)	(2)
Machine Shop (92)	(6)
Military Science (73)	1
Drill (72)	(3)
	11(16)

SCHOOL OF AGRICULTURE

FIRST YEAR

FIRST SEMESTER	*Hours a week*	SECOND SEMESTER	*Hours a week*
English 1 (123)	4	English 1 (123)	4
Public Speaking (125)	1	Public Speaking (125)	1
Chemistry (115)	4 (2)	Botany (113)	2 (3)
Farm Accounts (122)	1 (2)	Physics (116)	3
Farm Dairying (104)	2 (3)	Entomology (117)	2 (2)
Poultry (108)	3 (2)	Horticulture 1 (111)	3 (2)
Carpentry (121)	(3)	Forging (119)	(3)
Drill (72)	(3)	Drill (72)	(3)
	15(15)		15(13)

SECOND YEAR

Horticulture 2 (112)	3 (2)	Horticulture 2 (112)	3 (2)
Animal Feeding (105)	2	Farm Management (103)	3
Soils and Fertilizers (101)	2 (2)	Field Crops (102)	2 (2)
Animal Husbandry (110)	2 (2)	Market Dairying (106) or Poultry (108a)	2 (2)
Farm Mechanics (120)	1 (2)	Dairy Herd Management (107)	3 (3)
Veterinary Science (109)	2	Forestry (114)	1 (3)
English 2 (124)	2	Drill (72)	(3)
History and Civics (126)	3		
Drill (72)	(3)		
	17(11)		14(15)

SCHOOL OF HOME ECONOMICS

FIRST YEAR

FIRST SEMESTER

	Hours a week
Chemistry (115)	4 (2)
English 1 (123)	4
Public Speaking (125)	1
Sight Singing (138)	(2)
Housewifery (128)	1 (2)
Cooking (127)	1 (5)
Sewing (132)	1 (5)
	12(16)

SECOND SEMESTER

	Hours a week
Botany (113)	2 (3)
English 1 (123)	4
Public Speaking (125)	1
Physics (116)	3
Sight Singing (138)	(2)
Hygiene (130)	2
Cooking (127)	1 (4)
Sewing (132)	1 (4)
	14(13)

SECOND YEAR

English 3 (136)	4
History and Civics (126)	3
Design (134)	(2)
Household Management (129)	2
Cooking (127)	2 (4)
Dressmaking (133)	1 (5)
Home Nursing (131)	2 (1)
	14(12)

English 3 (136)	4
Horticulture 3 (137)	1 (2)
Bacteriology (118)	2 (2)
Design (134)	(2)
Household Management (129)	2
Cooking (127)	2 (4)
Dressmaking (133)	1 (5)
Millinery and Embroidery (135)	(2)
	12(17)

Outlines of Courses

COLLEGE OF AGRICULTURE

AGRONOMY

Professor Slate, Mr. Southwick, and Mr. Duffee

11. **Agronomy 1. Soils.** *Sophomore year, second semester.* A course dealing with the origin, classification, and physical properties of soils and the factors concerned in soil management; the principles of soil fertility, the use of manures and fertilizers and the relation of plant growth to soil conditions.

12. **Agronomy 2. Field Crops.** *Junior year, first semester.* A general course including both the grain and forage crops together with such special crops as tobacco; their classification, identification, improvement and methods of culture. Crop judging is included in the laboratory work.

13. **Agronomy 3. Agricultural Engineering.** *Junior year, second semester.* A general course including farm surveying, drainage, irrigation, roads, farm machinery and motors, farm buildings, and sanitation.

14. **Agronomy 4. Farm Management.** *Senior year, first semester.* A course dealing with the business side of farming, including types of farms, systems of rental, capital and its distribution, size of farms, farm labor, equipment and layout, cropping systems, maintenance of fertility, methods of marketing farm products, and systems of farm accounting. Emphasis will be placed upon farm surveys, methods used, and interpretation of data. At least two inspection trips will be made for the purpose of studying representative farms.

DAIRY HUSBANDRY

Professor White, Mr. Judkins, and Mr. G. H. Campbell.

15. **Dairying 1. General Dairying.** *Sophomore year, second semester.* A study of milk, its secretion, character and composition; factors influencing the quantity and quality of milk; methods of testing milk and its products for butterfat by the Babcock test; the lactometer and its use in detecting adulterated milk; the various tests for determining the acidity of milk and cream; the various methods of cream separation including study of the construction and operation of centrifugal separators; method of making and marketing butter with special reference to farm conditions; the essentials of cottage cheese making and ice cream making; and methods of keeping records of dairy cows.

16. **Dairying 2. Milk Production.** *Junior year, first semester.* A study of dairying from the standpoint of the producer. A study of the adaptability of breeds; care of the young calf and raising the dairy heifer; selection, care and handling of the herd bull; feeding and handling for maximum and economic milk production. In the laboratory a comprehensive study is made of the score card and the relation of form to function.

17. **Dairying 3. Animal Nutrition.** *Junior year, first semester.* The laws of animal nutrition including metabolic processes; the composition of farm and market feed stuffs and their adaptability for different classes of animals. A study of feeding standards and the method of calculating rations for domestic animals.

18. **Dairying 4. Commercial Dairying.** *Junior year, second semester.* A study of the details of manufacture, curing and marketing of the important kinds of American cheese, including soft cheeses. A study of the ice cream business, its extent and importance with laboratory practice in making ice cream. The number of students who can elect this course is limited.

19. **Dairying 5. Dairy Cattle Judging.** *Junior year, second semester.* A continuation of the laboratory work given in Course 2. History and development of the dairy breeds and their characteristics. A laboratory study of breed type and a comparative study of animals. As many herds will be visited for this purpose as is practicable.

20. **Dairying 6. City Milk Supply.** *Senior year, first semester.* A study of the essentials in production and marketing of good milk and cream; sanitary codes of city and state authorities; modified, pasteurized, certified and inspected milk; laboratory tests for purity and adulterants, and the methods of milk inspection.

21. **Dairying 7. Creamery Buttermaking.** *Senior year, first semester.* Creamery buttermaking includes methods of sampling and grading milk and cream; the use of power separators; pasteurization; the propagation of starters; cream ripening; churning and marketing of butter; creamery repairs and management.

22. **Dairying 8. Herd Improvement.** *Senior year, second semester* Methods of selecting and breeding for the improvement of the dairy herd; the requirements for advanced registry, and the value and methods of making official tests; machine and hand milking methods; and questions of management; construction of barns and silos. Hours by appointment for those who cannot milk.

23. **Dairying 9. Seminar.** *Senior year, second semester.* A study of the latest results obtained in dairy investigations. Each student presents papers on special topics, and reviews latest bulletins and scientific findings.

VETERINARY SCIENCE

Doctor Dow

24. **Veterinary Science.** *Senior year, first semester.* A lecture and text book course on comparative anatomy; physiology; general pathology; therapeutics. Disease and treatment; hygiene, and general care and treatment of sick animals. Contagious, infectious, and parasitic diseases. Common cases of poisoning in cattle and sheep. Obstetrics, and diseases of the young animal. General principles of surgery, treatment of wounds and injuries. Diseases of the foot and lameness.

ANIMAL HUSBANDRY

Mr. Garrigus

25. **Animal Husbandry.** *Junior year, second semester.* The various breeds and types of domestic animals are studied with reference to their origin, history, development, characteristics, and value from a utility standpoint. Text-books, Craig's "Stock Judging" and Plumb's "Types and Breeds of Farm Animals." These are supplemented by lectures.

Laboratory Work. Specimens of types of breeds are brought before the class, where they are scored and placed by the class from the standpoint of the judge. Occasional trips are made to study animals which are near enough to make this practicable.

HORTICULTURE

Professor Gulley and Mr. Stevens

26. **Horticulture 1. Vegetable Culture.** *Sophomore year, first half of first semester.* The study of vegetables, discussing locations of great vegetable centers, locations and sites for vegetable gardening, soils, water supply, markets and marketing, etc. The botanic families, origin, history, identification of plants and seeds, and special culture for production of each, as well as a discussion of all glass structures necessary for growing and forcing of the same. The laboratory work will be used in handling and studying the various plants and seeds. This course must be preceded by Botany 1. **Fruit Growing.** *Second half of the semester.* A course in general fruit growing, treating of the origin, propagation, and growth of fruits. The growth and handling of trees in the orchard, fertilizers and cover crops. Orchard sites, and soils adapted to different fruits. Prerequisite, Botany 1.

27. **Horticulture 2. Fruit Varieties.** *Junior year, first half of first semester.* A study of the various varieties, particularly apples; how they are known and described; how fruits are judged by scale of points; difference of growth and varieties in the orchard, how recognized. The very extensive college variety orchards furnish ample material for this

course. Prerequisite, Horticulture 1. **Spray Formulas.** *Last half of semester.* A study of the history, development, classification, and production of the principal spray materials. The student will be required to prepare these materials and note the chemical changes and combinations so far as possible. Prerequisite, Chemistry 1.

28. **Horticulture 3. Plant Diseases.** *Junior year, first semester.* A study of the principal diseases that attack our cultivated plants, both hardy and tender; how disseminated, how known, and the general methods of control.

29. **Horticulture 4. Greenhouse Management.** *Junior year, second semester.* Types of houses, materials used in construction, propagation and care of the principal commercial plants, growth of bedding plants and the management of vineries and houses for special purposes. Prerequisite, Horticulture 1.

30. **Horticulture 5. Horticultural Practice.** *Junior year, second semester.* This course will be devoted to field practice in connection with handling of trees and plants, embracing pruning, grafting, packing and other operations connected with successful horticulture.

31. **Horticulture 6. Commercial Horticulture.** *Senior year, first semester.* The principles of fruit growing; locations for the business; establishment of and management of fruit farms; cropping, cultivation of fruit plantations, harvesting, grading, packing, storing and disposition of fruit crops with especial reference to New England conditions.

32. **Horticulture 7. Botanic Horticulture.** *Senior year, first semester.* The sources and relations of cultivated plants and plant products. The derivation of deleterious plants; how often changed from one class to the other This and Plant Breeding are closely connected, and the laboratory work is connected with both courses. The large plant house furnishes many illustrations for this study. Prerequisite, Horticulture 1.

33. **Horticulture 8. Landscape Gardening.** Senior year, second *semester.* The laying out of grounds, grouping and planting of shrubs and trees; making plans of small places; treatment of walks and drives, flower borders and use of bedding plants; improvement of grounds already grown up. The requirements of country and home grounds are particularly considered. Prerequisite, Horticulture 1.

34. **Horticulture 9. Plant Breeding.** *Senior year, second semester.* The principles of breeding as applied to plants, and the improvement of present kinds. Effects of crossing and hybridizing. Production of new varieties.

POULTRY HUSBANDRY

Professor Kirkpatrick and Mr. Warner

35. Poultry 1. Poultry Culture. *Freshman year, second semester.* Text-books and lectures. **Topics:**—The poultry industry; the poultry farm, buildings and equipment; breeds of domestic fowls, including water fowl and pigeons; principles of breeding; selection of stock; incubation and brooding; feeding and general management; preparation for market, including killing and dressing; poultry parasites and diseases.

Laboratory Work. Practice or demonstrations in the manufacture of incubators and brooders; preparation of poultry for the table and for market; caponizing; judging and packing eggs; study of feeds.

36. Poultry 2. Poultry Culture. *Junior year, throughout the year.* Text-books and lectures. This course is a continuation and elaboration of Course 1, which is prerequisite. It is designed for the purpose of getting the student in closer touch with those essential details that make for success in the business of keeping hens.

37. Poultry 3. Poultry Judging. *Junior year, first semester.* Text-book, American Standard of Perfection. This course will deal primarily with the show type of the various breeds and varieties and a study of both the comparison and score card methods of judging. Prerequisite, Course 1.

38. Poultry 4. See Poultry 2.

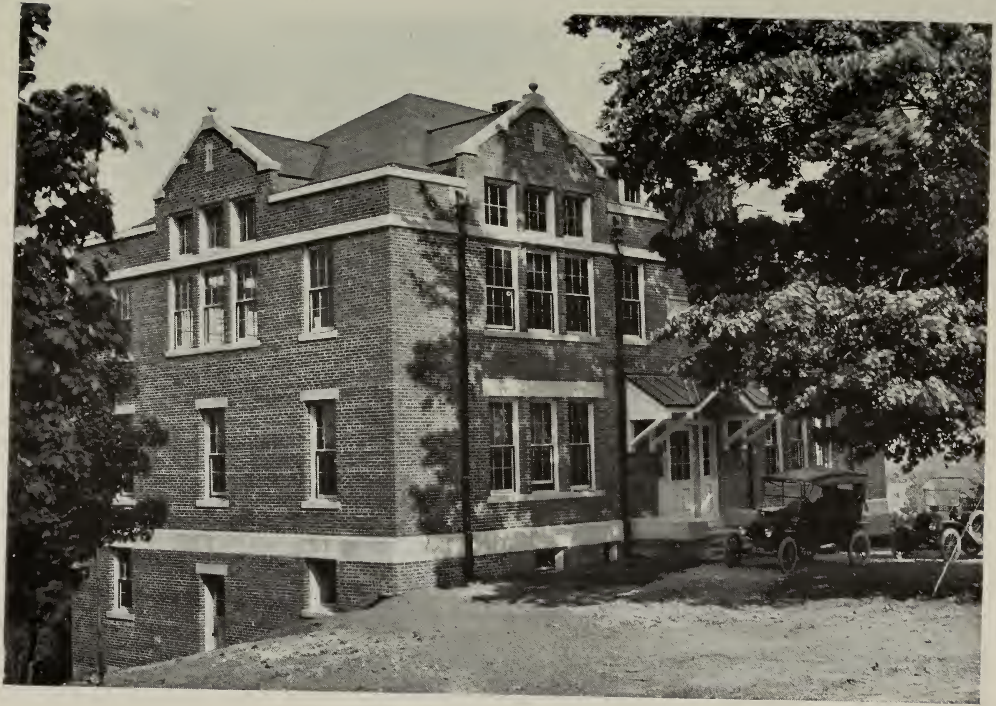
39. Poultry 5. Incubation and Brooding. *Junior year, second semester.* Lectures and bulletins. Students electing this course must supply their own eggs. The department will furnish incubators, brooders, feed, fuel, etc., and will, at the end of the school year, buy the chicks if the student elects to sell.

Note also that the practice work of this course cannot be given in one laboratory period because of the daily attention required by both incubators and brooders. Special hours must therefore be arranged. Prerequisite, Course 1.

40. Poultry 6. Commercial Poultry Keeping. *Senior year, throughout the year.* This course will deal principally with the laying out of large plants; the handling and management of commercial flocks; style of houses, kinds of brooders, and other poultry appliances suitable for such enterprises; advertising, capital required, probable losses, causes of failure, etc. Prerequisite, Course 1.

41. Poultry 7. Poultry Pathology. *Senior year, first semester.* This course takes up the more important poultry diseases. No practice work is prescribed, but students will be required to identify and perhaps treat a few of the more common diseases. Text-book, Kaupp's Poultry Diseases. Prerequisite, Course 1.

42. Poultry 8. Poultry Judging. *Senior year, first semester.* A continuation of Course 3, which see. Prerequisite, Courses 1 and 3.



POULTRY BUILDING

LIBRARY

43. Poultry 9. See Poultry 6.

44. Poultry 10. Experimental Methods. *Senior year, second semester.* Lectures and experiment station bulletins. The course will aim to analyze critically the plans and methods by which investigators have arrived at conclusions in their poultry experiments.

45. Poultry 11. Pen Management. *Senior year, second semester.* Students electing this course are required to do all the manual work incident to caring for a small flock of hens. The course is designed to give students first hand knowledge in the feeding and management of hens and the care of their quarters.

Note that hours must be arranged, as the work naturally requires the student's daily attention. Prerequisite, Course 1.

BOTANY AND GENETICS

Professor Sinnott and Mr. Torrey

46. Botany 1. *Freshman year, both semesters.* An introductory course dealing with plant morphology, plant physiology, and systematic botany and ecology chiefly of the flowering plants.

47. Botany 2. *Junior or senior year, both semesters.* Advanced systematic botany with especial reference to the fungi, advanced morphology and histology, advanced physiology. Open only to those who have had Botany 1 or its equivalent.

48. Genetics. *Junior year, first semester.* A general introductory course aiming to present our present knowledge of the laws of variation and inheritance, as a basis for practical plant and animal breeding.

FORESTRY

Mr. Moss

49. Forestry. *Senior year, second semester.* An elementary course including: economic value of the trees in the state; handling of woodlots and the forest nursery; methods of measuring forest products and elements of estimating; local methods of lumbering and values; forest management and protection; influence of forest on soil and stream flow.

CHEMISTRY

Professor Newton and Mr. Hughes

50. Chemistry 1. *Freshman year, both semesters.* This course is devoted to a study of the fundamental principles of chemistry and to the concepts of heat, light and electricity in their relation to the science. During the second semester the time in the laboratory is devoted to a study of the commonly occurring inorganic compounds and to the elements of qualitative analysis.

51. **Chemistry 2.** *Junior year, both semesters.* The course consists in the first semester of a study of the more important classes of organic compounds, such as the aliphatic and aromatic hydrocarbons, alcohols, phenols, and ethers. The lectures will be illustrated by lecture table experiments and prepared compounds from the chemical museum. The second semester will be devoted to a study of agricultural chemistry and the principles of analytical chemistry as applied to agriculture. Special attention will be given to the chemistry of the soil, fertilizers, and dairy products.

PHYSICS

Professor Wheeler

52. **Physics.** *Sophomore year, first semester.* The elements of mechanics and heat with a little work in electricity will be covered in this course. Laboratory practice will constitute a part of the course, and opportunity will be given to visit plants in neighboring cities where numerous physical principles can be seen applied.

BACTERIOLOGY

Professor Esten

53. **Bacteriology 1. General Bacteriology.** *Sophomore year, second semester.* A preparation for course 2, arranged in three parts: (1) Relation of bacteria to soil fertility; (2) relation of bacteria to milk and its products; (3) relation of bacteria to health and disease. The first three exercises will treat of what bacteria are by their functions, morphology, and classification. Part 1, soil biology: scope of the subject, its economic importance, agency of bacteria in soil fertility and their relation to conservation of farm fertilizers with special reference to the problem of nitrogen supply, growth of bacteria in frozen soil. Part 2, bacteria in the dairy: milk fermentations, pure milk production in sanitary dairies, milk in its relation to public health. Part 3, bacteria and hygiene: cause of the decline of nations, influence of diet on the bacterial infections of the digestive tract, principles of maintaining resistance to bacterial diseases, vital economics of nutrition, preventive medicine.

54. **Bacteriology 2. Dairy Bacteriology.** *Senior year, both semesters.* Methods of determining the number of bacteria in milk, preparation of special culture media for detection of distinct varieties of milk bacteria, effect of different groups of bacteria in milk, butter, and cheese, sources of milk contamination, methods of eliminating contamination, bacteria in cream "starters" and commercial cultures for ripening cream and cheese, favorable and unfavorable fermentations of milk, biology of sanitary milk production, bacteria of milk hygiene. Prerequisite, Bacteriology 1.

NATURAL HISTORY

PROFESSOR LAMSON AND MR. MANTER

55. Zoology 1. *Sophomore year, two semesters.* A course designed to acquaint the student with the anatomy and physiology of representative invertebrate and vertebrate animals together with study of the most important biological principles. Special emphasis is placed upon the study of those forms of animal life that are of greatest economic importance.

56. Geology. *Sophomore year, first semester.* A course in geology and mineralogy, including the study of the chemical and physical properties of the common rocks and minerals, together with the elements of dynamical and historical geology.

57. Entomology. *Junior year, first semester.* A course in economic entomology in which the structures, metamorphoses, and life histories of the most important insect enemies of the garden, field, orchard and forest are studied. Field trips are taken to study insects that can be found in their natural conditions at this time of the year.

58. Zoology 2. *Senior year, two semesters.* A course designed for more advanced study of animal life with emphasis placed upon the physiology, histology and embryology of several branches. This course supplements the work in entomology by giving considerable time to the study of insects.

MATHEMATICS

PROFESSOR WHEELER

59. Mathematics. *Freshman year, both semesters.* This course will cover approximately college algebra, solid geometry, and plane trigonometry.

In addition to the usual topics of college algebra, about one week's work in biometrical computation will be given, finding means, modes, standard deviations, etc.

In solid geometry the course will be introduced by a few days' practice in the drawing of lines, planes, and combinations of these: the course will make use freely of models illustrating the various propositions.

Plane trigonometry includes the solution of right and oblique triangles and the proof of all laws by which these solutions are made. Twenty individual examples are assigned to each student as a part of the work of this course.

60. Surveying. *Freshman year, first semester.* The laboratory hours when the weather permits will be used in field practice with compass, level, transit, etc., and later in the term, or on days of inclement weather, will be used in plotting of farm and other maps and in computation. The course will be made as helpful to prospective farmers and farm superintendents as is possible, the methods and subjects being chosen with reference to their possible farm utility.

GERMAN AND FRENCH

MISS WHITNEY AND PROFESSOR MONTEITH

61. **German 1.** *Freshman year, both semesters.* Kayser and Monteser, Foundations of German; Grammar and Hewitt's German Reader; reading of elementary German texts. Throughout the year, frequent written quizzes, sight reading and translation, and the memorizing of German poems.

62. **German 2.** *Sophomore year, both semesters.* Reading of intermediate German texts followed by Grundzuege der Naturlehre and one of Schiller's historical dramas. Harris' German Composition throughout the year. Rapid review of German Grammar with Vos' Essentials of German as foundation in the second semester.

63. **French 1.** *Freshman year, both semesters.* Grammar, reading, composition, and oral exercises. Fraser and Squair, French Grammar. Reading of simple modern French prose.

64. **French 2.** *Sophomore year, both semesters.* Reading and grammar. The reading will include as wide a selection as possible of representative modern writers.

ENGLISH

PROFESSOR SMITH AND PROFESSOR MONTEITH

65. **English 1.** *Freshman year, both semesters.* A course dealing with the essentials of English composition. A review of grammatical principles, diction, and punctuation; a study of the units and forms of discourse, with special attention to exposition. Theme writing.

66. **English 2.** *Junior year, second semester.* This course will consist of two parts: (1) Lectures on English literature from the earliest times, with special emphasis upon the historical background; and (2) a study of the work of representative authors of each period.

HISTORY

PROFESSOR MONTEITH

67. **History.** *Senior year, both semesters.* This time will be equally divided between a general survey of European history from the close of the fifteenth century and the history of the United States from the close of the Revolution, with emphasis upon political history. Lectures and collateral reading.

ECONOMICS

Professor Smith

68. Economics. *Senior year, both semesters.* An introductory course, dealing in the first semester with general economic principles and in the second with their application to agriculture.

PUBLIC SPEAKING

Miss Wallace

69. Public Speaking 1. *Sophomore year, first semester.* Fundamental work in voice and body. Attention will be given to the study of thinking and its most direct revelations through the modulations of voice and body. Practical application in speaking and debating. Text book used—"Lessons in Vocal Expression" S. S. Curry, Ph.D., L.H.D.

70. Public Speaking 2. *Junior year, second semester.* A continuation of Public Speaking 1 carried on through extemporaneous speaking and the preparation and delivery of original speeches, the aim being to develop the power to think when upon the feet and to secure a vocabulary of delivery as well as of words. Attention, discrimination, and progression of ideas are developed. No additional text.

MECHANICAL DRAWING

Professor Fitts

71. Mechanical Drawing 1. *Freshman year, first semester.* Use of drawing instruments, T square and triangles; lettering, sketching, drawing to different scales, building construction, plotting curves, strength of materials and the making up of estimates.

DRILL AND MILITARY SCIENCE

Lieutenant Amory

72. Drill. Three hours per week for all classes both semesters; except from December 1st to April 1st when there is two hours' drill per week.

73. Military Science. Seniors, one hour per week December 1st to April 1st. Company Administration, military sketching; map problems in minor tactics. Fire control and combat exercises. Juniors, one hour a week, December 1st to April 1st. Military hygiene, field service regulations, drill regulations, school of the company and battalion, field service regulations. Sophomores, one hour a week, both semesters. Drill regulations to include school of the squad, manual of the bayonet, firing regulations, field service regulations. Freshman, one hour a week, December 1st to April 1st. Military policy of the United States, military courtesy, manual of interior guard duty, nomenclature and care of the rifle, field service regulations.

A period of one week in the second semester is devoted entirely to practical military work, the student body going into camp for that period at Ft. G. H. Wright, where they have the military atmosphere and see the regular army at work.

MUSIC

MISS THOMPSON

74. An opportunity is given to the students of the college to study vocal and instrumental music.

The Connecticut Glee Club was organized to build up an interest in college singing. The club is composed of about twenty-five men. New candidates are admitted to the club after passing an examination satisfactory to the director, and the club meets for practice every Monday and Thursday evenings. Concert engagements are filled by the club.

COLLEGE COURSE IN HOME ECONOMICS

MISS HAYES, MRS. COUSLEY, AND MISS COSTELLO

(Courses not already described)

75. Cooking. *Freshman year, two semesters.* An introductory course to teach the elements of plain cooking using typical foods and typical cooking processes. The lecture and recitation work will be closely correlated with practice and will consist of a study of the sources, composition, preservation and cost of food.

76. *Sophomore year, both semesters.* A continuation of the freshman course with special emphasis upon the preparation and serving of meals.

77. Nutrition. *Junior year, second semester.* A course in the principles of human nutrition with practice in planning dietaries in relation to these principles, the comparative cost and nutritive value of foods and the consideration of the special problems that arise in the planning, purchase, cooking and serving of food to the family.

78. Household Management. *Junior year, both semesters.* This course centres about the home, its evolution, history and place in society, its equipment, sanitation and care, its management, the division of work and income, the home maker's duty as a consumer and other subjects vital to its interests. Practical work in housewifery and laundering will be included in the course.

79. Home Nursing. *Senior year, second semester.* A course planned to give instruction in the treatment of emergencies and in simple methods of caring for the sick in the home. Practical work includes care of the sick room, bed making, bandaging, invalid diet, etc.

80. Principles of Teaching. *Junior year, two semesters.* A course in principles and methods of teaching based upon the study of the child in his physical, mental and moral relation to home, school and society. The work will consist of lectures, recitations and assigned reading and is planned as an introduction course to the more specialized work of the senior year.

81. The Teaching of Home Economics. *Senior year, two semesters.* The course will consist of a survey of the field of home economics, the problems that arise in its teaching, comparison of courses of study, the use of text books and illustrative material, the discussion of class room methods and technique, problems in cooking and sewing adapted to children's needs, equipment of home economics laboratories, etc. Practice in planning lessons and courses of study adjusted to meet varying conditions will be emphasized and individual work required of students in observation of classes and the preparation and teaching of a series of lessons in the school rooms in the neighborhood of the college.

82. Sewing. *Freshman year, two semesters.* This course consists of a rapid review of the principal stitches in hand sewing, applied directly to the making of useful articles, practice in mending and repairing garments, the cost and care of clothing, the use of the sewing machine in the making of a set of underwear and other simple articles of clothing adapted to the skill and needs of the class.

83. Dressmaking. *Sophomore year, both semesters.* A course in the use of patterns and drafts applied to the making of simple garments. Special emphasis is laid upon the independence of the student in cutting and adapting patterns to her own needs. The work of the course will also include practice in fine hand sewing and simple embroidery.

84. Textiles and Dressmaking. *Junior year, first semester.* This course includes a thorough study of household textiles, their sources, manufacture and adulterations. Text book, Wookman and McGowan, Textiles. The practice in dressmaking consists of more advanced work in cutting, fitting and drafting of dresses and coats.

85. Design and Millinery. *Junior year, second semester.* The course in design includes the study of line, form and color relating to clothing and its decoration. Attention is also given to the study of dress in its relation to the individual. This work in connection with lectures and the use of books on historic costume forms a basis for costume design. The course in Millinery consists in the making of plain hats with their various trimmings and accessories.

86. Design. *Senior year, first semester.* This course will be closely related to the work of the junior year and will be a continuation of the study of problems in the principles of simple design with particular reference to household furnishings and decoration.

COLLEGE COURSE IN MECHANIC ARTS

MECHANICAL DRAWING AND SHOPWORK

PROFESSOR FITTS

(Courses not already described)

87. Mechanical Drawing 2. *Freshman year, both semesters.* Beginning with the use of drawing instruments, T square, and triangles, this course includes work in the following subjects: straight lines and cross-hatching; geometrical problems; inking; shading; isometric and cabinet projections with comparisons; orthographic projections of points, lines, planes, and solids with revolutions and intersections.

88. Mechanical Drawing 3. *Sophomore year, both semesters.* In continuation of the above: curves; shadows; perspective; detail and assembly drawing of machine parts from sketches; cams; gears; tracing; blue-printing and elementary designing of machine parts.

89. Wood Turning. *Freshman year, first twelve weeks.* Instruction in care of engine, motor, and machines; followed by exercises in wood-turning, including work between centers, face-plating, and chucking.

90. Pattern Making. *Freshman year, second twelve weeks.* The making of simple patterns and core boxes with instructions concerning draft, finish, shrinkage, and woods. The course is concluded by the moulding and casting of some of the patterns made, the casting being done in soft metal.

91. Forging. *Freshman year, last twelve weeks.* The exercises consist of drawing, bending, and welding of iron, and the forging, filing. and tempering of steel.

92. Machine Shop Work. *Sophomore year, both semesters.* General care of shop and machines; centering, turning, boring, chucking, thread-cuting, taper-turning and face plate work on the engine lathe.

PHYSICS AND MECHANICS

PROFESSOR WHEELER

93. Physics. *Sophomore year.* In the mechanic arts course this subject will be continued through the second semester and will cover the remaining subjects of elementary physics.

94. Applied Mechanics. *Second year, both semesters.* Foot pounds, horse-power, energy, forces acting at a point, moments for parallel forces, couples, stresses, center of gravity, friction, acceleration, projectiles, pendulums, and impact.

SCHOOL OF AGRICULTURE

AGRONOMY

Professor Slate, Mr. Southwick, and Mr. Duffee

101. Soils and Fertilizers. *Second year, first semester.* An elementary course in soil management, the relation of crops to soils, and the nature and use of manures and fertilizers.

102. Field Crops. *Second year, second semester.* A course dealing with the field crops adapted to New England including the grains, forage crops, potatoes, and special crops.

103. Farm Management. *Second year, second semester.* A study of the business side of farming dealing with choice of region and farm, farm layout, labor, and equipment, cropping systems, and maintenance of fertility. At least one trip will be made to study some typical farms in Connecticut.

DAIRY HUSBANDRY

Professor White, Mr. Judkins, and Mr. G. H. Campbell

104. Farm Dairying. *First year, first semester.* A study of milk, its secretion, character, and composition; practice in testing milk with the Babcock test, the lactometer, and various acid tests; a study of hand-power separators, their construction and method of running; practice in separating milk. Butter making, including methods of ripening cream, churning, washing, salting, and packing butter; general principles of cheese making with practice in making a few kinds of soft cheese; ice cream making.

105. Animal Feeding. *Second year, first semester.* A study of the composition of feeding stuffs; standard rations for farm animals, including horses, cattle, sheep and swine; methods of feeding and caring for farm animals.

106. Market Dairying. *Second year, second semester.* This is a study of approved methods of producing and handling milk for direct consumption; requirements of city boards of health and states for sanitary milk; rules and methods of inspection of dairy plants and milk depots; production of certified milk.

107. Dairy Herd Management. *Second year, second semester.* A study of the origin, development, and characteristics of the dairy breeds; methods of registration and requirements for advanced registry; selection, feeding and handling of the dairy calf, the bull, and the mature cow. Practice in scoring cattle by use of the score card, and comparative judging of animals.

POULTRY HUSBANDRY

Professor Kirkpatrick and Mr. Warner

108. Poultry Culture. *First year, first semester.* Text books and lectures. This course, including both the topics discussed and the laboratory work, is very similar to Course 1 for college freshmen.

108a. Poultry Management. *Second year, second semester.* Text books and lectures. The course continues and amplifies course 108, which is prerequisite It is designed to acquaint the student with the essential details of planning and managing commercial poultry plants.

VETERINARY SCIENCE

Doctor Dow

109. Veterinary Science. *Second year, first semester.* Anatomy and physiology of the digestive and respiratory systems. Special pathology. Disease and treatment: a general study of the common diseases of domestic animals, with treatment that may be safely used by the herdsman; special diseases of the dairy cow and young calves; prevention and treatment of the common contagious and parasitic diseases. Surgery: castration, dehorning, general care and treatment of wounds and injuries.

ANIMAL HUSBANDRY

Mr. Garrigus

110. Animal Husbandry. *Second year, first semester.* The principles of breeds and type of domestic animals are studied with reference to their origin, history, development, characteristics, etc., more especially with reference to utility. Plumb's "Types and Breeds of Farm Animals" and Craig's "Stock Judging" are used as text books. The laboratory work consists of judging and scoring animals of various types which are brought before the class.

HORTICULTURE

Mr. Stevens and Mr. Hollister

111. Horticulture 1. *First year, second semester.* Includes the divisions and foundations of horticulture, propagation of plants by various methods, seed inspection and identification, and seed germination. Location and soils for market gardening and trucking, location and planning of home gardens; planting, cultivation, harvesting, storing and marketing of the principal vegetable crops.

112. Horticulture 2. Fruit Growing. *Second year, both semesters.* The work of this course covers the several phases of fruit growing. The beginning of the first semester fruit harvesting and handling are taken up, followed by the study of the locations, soils, sites, propagation, cultivation and handling of nursery stock; laying out and setting orchards, pruning, fertilization and cover crops, also a study of varieties and scoring of fruits.

The second semester continues the work on small fruits, their propagation, soils, locations, fertilizers, cultivation, harvesting, varieties, etc. A study of the common spray materials, pumps, etc., also the more common diseases and methods of control occupies the remainder of the year.

Laboratory is actual work in the orchard as far as is possible.

BOTANY

Professor Sinnott and Mr. Torrey

113. Botany. *First year, second semester.* An elementary course in the structure, work, and systematic classification of plants with especial reference to economic forms.

FORESTRY

Mr. Moss

114. Forestry. *Second year, second semester.* An elementary course designed primarily to familiarize the student with the chief trees of economic importance in the state, and to give approved methods of handling a woodlot, with some idea of timber measurement and the general problems of forestry management and protection.

CHEMISTRY

Professor Newton and Mr. Hughes

115. Chemistry. *First year, first semester.* This course is devoted to a careful study of the more important fundamental principles of inorganic chemistry and of the practical applications of the science to the problems of every-day life.

PHYSICS

Professor Wheeler

116. Physics. *First year, second semester.* The mechanics of solids, liquids, and gases are studied with a view to enlarging the student's understanding of the phenomena of nature, with more adequate treatment of such subjects as have a direct bearing on agricultural and home economics.

NATURAL HISTORY

Mr. Manter

117. Entomology. *First year, second semester.* This course in entomology deals in an elementary way with the anatomy, classification and behavior of insects. Special emphasis is laid upon the life histories and control measures of the most important insect pests. Field trips are taken to enable the student to study types of insect injury and the insects causing the damage. The aim of the course is to enable the student to fight intelligently the many insect enemies found upon every farm.

FORGING

Professor Fitts

119. **Forging.** *First year, second semester.* The exercises consist of drawing, bending, and welding of iron, and the forging, filing and tempering of steel.

FARM MECHANICS

Professor Fitts and Mr. Duffee

120. **Farm Mechanics.** *Second year, first semester.* A course dealwith the use and care of farm tools and machinery, including a study of the mechanical principles involved in the mechanical operations of the farm.

CARPENTRY

Mr. Blake

121. **Carpentry.** *First year, first semester.* Cost, care, and use of tools; making of various joints; rafter cutting; plank construction, and the making of useful farm appliances to be ironed later in the forging shop.

FARM ACCOUNTS

Professor Wheeler

122. **Farm Accounting.** *First year, first semester.* This course will cover practical farm accounting operations, using the double entry method, and will give practice in the arithmetic of farm work.

ENGLISH AND PUBLIC SPEAKING

Miss Wallace

123. **English 1.** *First year, two semesters.* This course aims to develop good English usage. Special attention will be given to the practical application of the principles of composition. Text book—"Manual of Composition and Rhetoric"—Gardiner, Kittredge and Arnold.

124. **English 2.** *Second year, one semester.* The object of this course will be to familiarize the students with types of literature applicable to their needs and interests. A certain amount of outside reading will be required of the students.

125. **Public Speaking.** *First year, two semesters.* Fundamental work in voice and body. Practical application in extemporaneous speaking and debating. No text book used.

HISTORY AND CIVICS

PROFESSOR MONTEITH

126. History and Civics. *Second year, first semester.* History of the United States, with special reference to political questions, and the development of the West. One hour a week. Civics. The constitution, the Town, and a general view of the Federal and State governments, and their relations. Two hours a week, lectures and quizzes.

SCHOOL OF HOME ECONOMICS

MISS HAYES, MRS. COUSLEY AND MISS COSTELLO

(Courses not already described)

127. Cooking. *First and second years, both semesters.* First year. (a) Practice in simple home cooking as follows: Study of fuels and cooking apparatus with special attention to labor-saving utensils such as the fireless cooker, bread-mixer, etc. Processes of cooking, the preparation of cereals, fruits, beverages, milk products, eggs, meat and fish, vegetables, batters, bread and simple desserts being emphasized. Simple meals are planned, cooked, and served by the class as the natural outcome of their practice in cooking. (b) Recitations, reference reading and note-taking upon topics such as the use of food in the body, food production and manufacture, care and preservation of food, etc. Simple experiments in physics and chemistry which relate to food are done by the class in connection with the study of each food stuff.

Second year. (a) Continuation of the practical work in cooking, laying greater stress upon the independence of thought and work of the student as her familiarity with the technique of cooking increases. Practice in canning and preserving, and in the preparation of salads, "left overs," cakes and desserts is emphasized. (b) The recitations and experimental work consists of individual planning and serving of meals in connection with the study of the family dietary; consideration of the properly balanced ration and "100 calorie portion" with direct reference to particular food requirements; the planning of a week's menu for the home table for a specified amount. As a practical test, each student is required to plan, cook and serve a day's meals for four people. Throughout the two years the reading and use of government and experiment station bulletins is required of students. Text book, Kinne & Cooley's Foods and Household Management.

Lessons in milk testing, butter and cheese making, poultry dressing, and ice cream freezing are given in co-operation with the dairy and poultry departments.

128. Housewifery. *First year, first semester.* This course includes practical work in laundering and care of the house.

A. Laundry Work. The principles and processes included in laundry work; the equipment and materials required to do good work in the home laundry, and the use and economy of labor-saving appliances. Practical work in the processes of laundering, sorting, soaking, removal of stains, etc., special methods of washing different fabrics, starching, ironing, and folding. Simple experiments with hard and soft water, soap making, compositions of bluing, etc. are done by the class.

B. The kinds of service needed in the home, the equipment and daily care of kitchen, living room, and bed rooms; sweeping, dusting and cleaning; treatment of floors, paint, metals, etc.

129. Household Management. *Second year, two semesters.* This course includes a study of the house, its construction, sanitation and equipment, the division of expenditure and simple household accounts; the purchase and care of food, clothing, and house furnishings; and other questions which may relate to the maintenance of a well-ordered home.

130. Personal Hygiene. *First year, second semester.* A brief survey through lectures and recitations of important facts of physiology, with special relation to the care of the body in health, importance of exercise and rest, fresh air and bathing, proper food and clothing.

131. Home Nursing. *Second year, first semester.* This course is intended to give instruction in the treatment of emergencies, in first aid to the injured and in simple methods of caring for the sick when the services of a professional nurse are not required. Recitations and lectures.

Practical work includes care of the sick room, bed making, bandaging, preparation of poultices, use of disinfectants, etc. Diet for the sick and convalescent, including the arranging of trays, preparing and serving gruels, broths, milk and egg dishes, jellies and special diets.

132. Sewing. *First year, both semesters.* The fundamental principles and processes of hand and machine sewing.

(a) Hand Sewing. The stitches required are to be mastered as a means rather than as an end. Hence the making of models or samples is avoided as far as possible, and the stitches are applied directly to bags of various kinds, pincushions, needlebooks, iron holders and other articles that may be suggested through class discussion or class needs.

(b) Machine Sewing. Use and care of the sewing machine and its attachments, practice in machine sewing, to gain technique, on simple articles, such as aprons, dish towels, pillow cases, etc.

(c) Combination of Hand and Machine Sewing. Making undergarments as skirts, nightgowns, kimonas from patterns.

(d) Repairing Garments. Darning and patching by hand and by machine is taught throughout the year as an important part of needlework, and special practice is given in relation to the needs of each student's wardrobe.

(e) Discussion and experiments in connection with the sewing lessons cover such topics as: the best materials to buy for various purposes; the collection and testing of samples of cloth by washing, shrinking, burning, putting in the sun, etc., study of textiles, their properties and uses; the health of the body in respect to clothing, planning, cost and care of the wardrobe, etc. Text book—Kinne & Cooley's Shelter & Clothing.

133. Dressmaking. *Second year, two semesters.* The second year work in sewing commences with a study of patterns, their construction as related to the form of the body. Practice in free-hand cutting of patterns and simple crinoline or paper modelling precedes the work in drafting, which is for immediate use in the making of a garment. The shirt-waist draft is used as a guide in the making of a waist. Adaptations of the above drafts or patterns are employed in the making of more elaborate dresses, and the work covered in the year depends upon the speed and needs of the class.

Practice in fine hand sewing will be given in the making of a dress for a young child.

A definite period of time each week is used for class discussion along the following lines: The evolution and history of costume with reference reading and pictures; comparison between ready-made and home-made garments as to cost and wearing qualities; chemical tests to show fabric adulteration, the work of Consumers' Leagues, and other questions which may be profitably considered in the course.

134. Applied Design. *Second year, two semesters.* This course studies the principles of simple design. Problems in line, spacing, repetition, arrangement and the use of conventional and natural units of design are carried out, using pencil, crayon, India ink or water colors, and are applied directly to needlework and embroidery. The work is also related to the study of costume.

135. Millinery and Embroidery. *Second year, two semesters.* A. The millinery course consists of the making of a spring hat and the application of simple trimmings, bows, flowers, etc. and the renovating of hats and materials. B. The embroidery course is to teach simple embroidery stitches and their applications to garments and other articles of use and ornament.

ENGLISH

Miss Wallace

136. English 3. *Second year, both semesters.* The literary periods with their representative authors and works will be studied thoroughly. Outside reading will be required. Text book used, "English Literature" by V. D. Scudder.

HORTICULTURE

Mr. Hollister

137. Horticulture 3. *Second year, second semester.* A course designed to give the student a practical knowledge of how plants are propagated; location, planning, planting, and care of the home garden; a study of the common fruit trees and small fruits; sprays to use for the various plant troubles; treatment of the home grounds in connection with flower beds and the use of ornamental shrubs and trees. The laboratory work will consist of the practical application of the principles given in the class room.

SIGHT SINGING

Miss Thompson

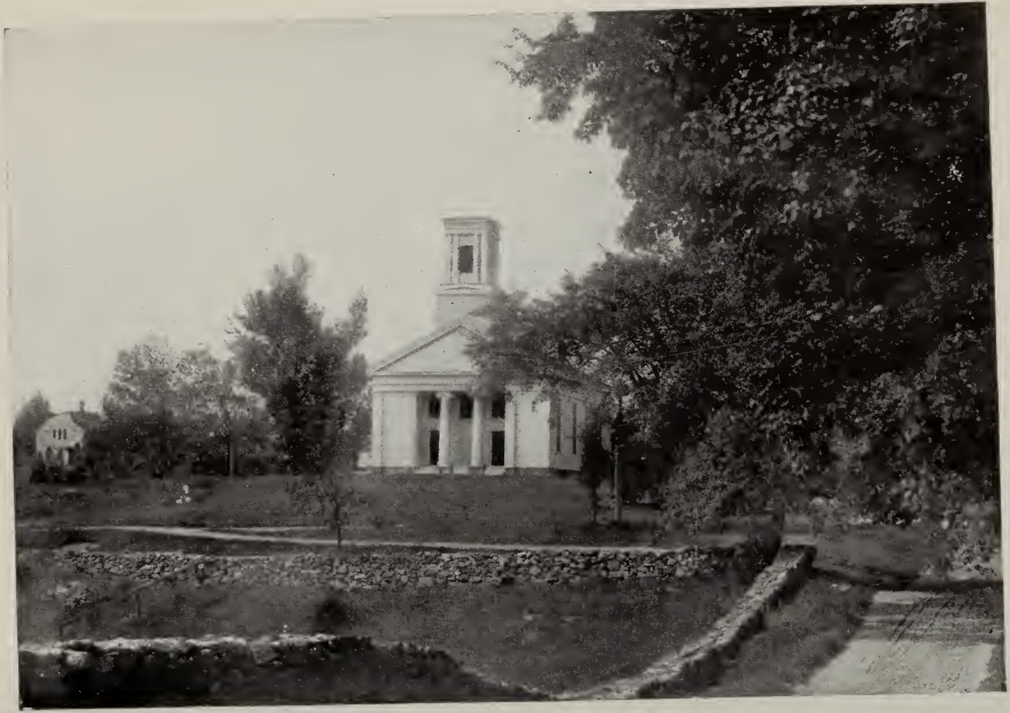
138. Sight Singing. *First year, both semesters.* This work will include some theory of music, some solfeggio, and a little study of tone production, aiming to make class singing more intelligent, accurate and musical.

BACTERIOLOGY

Professor Esten

139. Bacteriology. *Second year, second semester.* This course takes up bacteriology in its relation to the household, the economic value of molds, bacteria, and yeasts with reference to health and disease conditions, cleanliness, food preservation, and cooking processes.

ARMORY AND GYMNASIUM



CONGREGATIONAL CHURCH

Appointments and Honors

Military Appointments 1915-1916

Major	R. James
Captain	D. V. Dooley
Captain	F. P. Miller
Captain	B. A. McDonald
1st Lieutenant and Adjutant	E. J. Renehan
1st Lieutenant and Quartermaster	C. E. Lee
1st Lieutenant	M. R. Cahill
1st Lieutenant	J. Hill
1st Lieutenant	I. F. Fellows
2nd Lieutenant	D. G. Horton
2nd Lieutenant	A. B. Metcalf
2nd Lieutenant	L. D. Minor
2nd Lieutenant Signal Squad	H. S. Schwenk
Chief Musician	J. R. Case
Sergeant Major	W. H. Allen
Quartermaster Sergeant	J. W. Rice
Principal Musician	J. F. Ransom
1st Sergeant	E. J. Rasmussen
1st Sergeant	W. D. Shea
1st Sergeant	L. F. Lawrence
Drum Major	H. Persky
Color Sergeant	E. B. Lyons
Color Sergeant	J. B. Salsbury
Sergeant	E. L. Newmarker
Sergeant	J. B. Kilbride
Sergeant	H. A. Weidlich
Sergeant	A. C. Klingman
Sergeant	A. G. Sheldon
Sergeant	A. B. Watson
Sergeant	G. L. Prindle
Sergeant	Z. T. Banta
Sergeant	L. K. Burwell
Sergeant	W. B. Smith
Sergeant	H. G. Frank
Sergeant	J. G. Shirley
Corporal	T. H. Beich
Corporal	S. B. Morse
Corporal	R. H. Barrett
Corporal	C. E. Ryan
Corporal	J. H. Hilldring

Corporal ....S. A. Butler
Corporal ....P. L. Sanford
Corporal ....A. C. Marquardt
Corporal ....L. H. Collin, Jr.
Corporal ....A. T. Busby
Corporal ....H. R. Manning
Corporal ....J. S. Miller
Corporal ....W. L. Francis
Corporal ....S. DeWolfe

Qualified Marksmen Special Course "A" 1914-1915

P. L. Butler
L. A. Dickinson
I. F. Fellows
E. J. Rasmussen

Honors in Scholarship, 1914-1915

There were no average grades of A. The following had average grades of B:

SENIORS

A. F. Aulick
T. R. Bailey
G. R. Blake
M. K. Cadwell
E. F. Farnham
F. W. Hastings

JUNIORS

W. H. Allen
B. T. Avery, Jr.
I. R. Case
R. I. Henry
D. G. Horton
C. E. Lee
B. A. McDonald
Harry Persky
J. B. Salsbury
H. S. Schwenk

SOPHOMORES

Helen Bolan
Dorothy Hemingway

FRESHMEN

R. H. Barrett
J. H. Eckart, Jr.
J. H. Hilldring
G. C. Hunt
H. R. Manning
A. C. Marquardt
S. B. Morse
H. M. Rogers

SECOND YEAR SCHOOL OF AGRICULTURE

P. J. Bradlow
P. L. Butler
W. C. Morgan, Jr.
M. L. Roser
C. E. Simmons, Jr.

SECOND YEAR SCHOOL OF HOME ECONOMICS

Cora M. Valentine

FIRST YEAR SCHOOL OF AGRICULTURE

B. A. Brown
S. A. Butler
S. V. Colegrove
R. L. Many
W. E. Piper, Jr.
E. W. Whitham
F. V. Williams.

FIRST YEAR SCHOOL OF HOME ECONOMICS

Helen E. Blake
Elsie M. Garrigus

Students

1914-1915

SENIORS

Ackerman, Walter Tod	Natick, Mass.
Aulick, Alfred Frederick	New York City
Bailey, Thomas Raymond	New Haven
Blackledge, Harold	Hackensack, N. J.
Blake, George Ryerson	Storrs
Cadwell, Murray Kirke	Elizabeth, N. J.
Ellis, Harold Barbour	Ansonia
Farnham, Elmer Frost	Collinsville
Geer, Erskine Hart, Jr.	Hadlyme
Graves, Benjamin Robert	Northampton, Mass.
Hastings, Frank Wallace	Bridgeport
Healey, Leonard Holmes, Jr.	North Woodstock
Langdon, William Penn	Bantam
Marks, Leo	Boston, Mass.
Morgan, William Albert	Norwalk
Nodine, Earl Harrison	Naugatuck
Ragna, Edward Eugene	Hartford
Schmitz, Henry William	Waterbury
Seggel, Louis William	Jersey City, N. J.
Starr, Richard Mallory	New London
Torezken, Abraham	Brooklyn, N. Y.
Young, Merle Roy	Dobbs Ferry, N. Y.

JUNIORS

Ackerman, Ralph Christy	New Haven
Allen, Willard Harry	Danbury
Avery, Billings Theophilus, Jr.	Norwich
Cahill, Maurice Richard	East Hampton
Case, James Royal	Colchester
Chapman, Leroy Miller	Brooklyn
Costello, Harry Anthony	Eagleville
Crowley, James Leo	Westerly, R. I.
Dooley, Donald Vincent	Georgetown
Fellows, Imbert Franklin	Norwich Town
Henry, Ralph Irving	Brooklyn, N. Y.

Hews, Ray Delma	Ashland, Maine
Hill, John	Norwich Town
Horton, Daniel Gott	Hebron
Hurlbut, Harold	Yalesville
James, Raymond Thomas	New Britain
Lee, Clarence Edgar	Deep River
Lyons, Edward Benedict	New Rochelle, N. Y.
McDonald, Bernard Alphonsus	Thomaston
Metcalf, Arthur Boyd	New Haven
Miller, Frank Pierpont	Waterbury
Minor, Leigh Downs	Bristol
Persky, Harry	New Haven
Ransom, Julius Ford	Windsor
Renehan, Edward Joseph	Union City
Rice, John William	Beacon Falls
Salsbury, Joseph Barnum	New Haven
Schmidt, Theodore Budd	Hartford
Schwenk, Harold Spencer	South Meriden
Stretch, Eliot Buckingham	Meriden

SOPHOMORES

Banta, Zabriskie Terhune	Hackensack, N. J.
Barnes, Clark Amos	Mystic
Burwell, Lawrence Killam	New Haven
Cohen, Nathan Abraham	Hartford
Dickinson, Elmer Newton	Glastonbury
Frank, Herman George	Brooklyn, N. Y.
Gillis, John William	New Haven
Gross, Paul Gerhard	Danbury
Harris, Russell Spencer	New London
Hoffman, Abraham Louis	New Haven
Johnson, Charles Arvid	Georgetown
Kilbride, Joseph Benedict	New Haven
Klingman, Albert Charles	Richmond Hill, N. Y.
Knight, Rixford	Ansonia
Kuelling, John Albert	Brooklyn, N. Y.
Lawrence, Leslie Frederick	Ansonia
Mead, Sylvester Warren	Greenwich
Newmarker, Edward Lewis	Rockville
Norton, Julian Harwood	Bristol
Peizer, David Israel	Hartford
Prindle, George Lyman	Shelton
Rasmussen, Ernest John	Waterbury
Sears, Percy Allison	Sag Harbor, N. Y.
Shea, William Daniel	Waterbury

Sheldon, Alfred Charles	West Suffield
Shirley, James Gilchrist	Springfield, Mass.
Shulman, Emanuel	Hartford
Smith, Walter Bennett	New Haven
Street, Newton Herbert	New Haven
Suda, William Robert	South Willington
Traurig, David	Waterbury
Trinder, Frederick Monroe	New Britain
Ungethuem, Walter Julius	Westfield, Mass.
Watson, Arthur Burnley	Unionville
Weidlich, Henry August	Hartford

FRESHMEN

Barrett, Rollin Hayes	New London
Beich, Thomas Henry	Boston, Mass.
Brown, William Harold, Jr.	Danbury
Brundage, Walter Fanton	Danbury
Burnham, Charles Nelson	Middlefield
Busby, Alan Thacker	Worcester, Mass.
Clark, Walter Thompson	Granby, Mass.
Cohen, Abraham	New Haven
Collin, Louis Henry, Jr.	New York City
Dillon, Joseph Raymond	Hartford
Eckart, John Henry, Jr.	Derby
Edwards, Sidney Ackley	Naugatuck
Francis, Walter Lyman	Glastonbury
Goodwin, Henry Rood	Hartford
Hilldring, John Henry	New Rochelle, N. Y.
Horne, Alton Irving	West Lynn, Mass
Horton, Daniel Hart	Brooklyn, N. Y.
Hunt, George Clayton	Worcester, Mass.
Leffingwell, Harold Neale	Willimantic
Manning, Howard Roberts	Hartford
Marquardt, Adrian Cyrus	Groton
Miller, Allie Waldron	Southwick, Mass.
Morse, Sanford Boughton	Cleveland, Ohio
Ochtman,Arthur Fonda	Coscob
Reid, James, 3rd	Worcester, Mass.
Rogers, Hilan Marcus	Waterbury
Ryan, Cornelius Edward	Beachmont, Mass.
Sanford, Percil Lyman	Hadlyme
St. Germain, Albert Edward	New London
Tappert, Adolph Gustave	Plantsville
Thompson, Francis Benjamin	Worcester, Mass.
Wiepert, George Douglas	New Haven
Wildes, Willis Parker, Jr.	Mansfield Center

TWO-YEAR COLLEGE COURSE IN HOME ECONOMICS

Second Year

Bolan, Helen	Waterbury
Hallock, Bertha Amelia	Washington Depot
Hemingway, Dorothy	South Manchester
Lewis, Ethel Knowles	Hampton

FOUR-YEAR COLLEGE COURSE IN HOME ECONOMICS

First Year

Smith, Myrtle Elizabeth	Westville
Weingarten, Edna Lillian	Bridgeport

TWO-YEAR COLLEGE COURSE IN MECHANIC ARTS

First Year

Butler, Harold Morris	Collinsville
Lyon, Fred Gregory	Danbury
Nuzum, George Roberts	Willimantic

SPECIAL STUDENTS IN COLLEGE COURSES

Barrett, Herbert McClellan, Jr.	Asbury Park, N. J.
Brock, Charles Raymond	Whitneyville
Butterworth, Henry	New York City
DeWolfe, Sinclair	Bridgeport
Lamb, Dorothy	Noank
McAuliffe, Vincent John	New York City
Miller, Joseph Solomon	Meriden
Priestley, Joseph Edwin	South Coventry
Snow, Ethel Cynthia	Middletown
Whitham, Richard Joseph	Hartford
Yähnig, Herbert Henry	Holbrook, Mass.

SCHOOL OF AGRICULTURE

Second Year

Bates, Walter Arnold	South Norwalk
Black, Raymond James	Watertown
Bradlow, Paul John	Norwich
Corning, Harold Lincoln	Plainville
Cox, John Kelly	New Milford
Dutton, Vernet Ray	Bristol
Gallup, John Elmer	Danielson
Harris, Leon Russel	Belmar, N. J.
Liebreich, Herbert	Waterbury

Miller, Arnold LeRoy	Avon
Morgan, Walter Clifford, Jr.	Mystic
Patchen, Ernest Hoyt	Danbury
Pattee, Wardner Richard	Gofftown, N. H.
Rasmussen,Arnold Rudolphi	Waterbury
Romans, Squire Bernard	Danbury
Roser, Martin Luther	Glastonbury
Schofield, Ericsson Bushnell	Naugatuck
Simmons, Charles Erskine, Jr.	Cromwell
Spencer, Trueman Howe	Newark, N. J.
Sperry, Russell Frederick	Tyler City
Wadhams, Everett Calhoun	Bloomfield
Walton, Albert William	Asbury Park, N. J.
Warner, Sherman Roberts	New Haven
Wood, Norman Shattuck	Concord, Mass.

First Year

Anderson, Victor Albert	Naugatuck
Bentley, John Melvin	West Newton, Mass.
Brown, Benjamin Arthur	Colchester
Buckland, George Floyd	Hartford
Buckland, Thomas Earle	Hartford
Buell, Albert Apollos	New Britain
Butler, Paul Levi	Guilford
Butler, Samuel Allen	Meriden
Carey, Henry Hitchcock	Branford
Charter,LeGrand Frederick	Norwich
Colegrove, Samuel Vreeland	Morristown, N. J.
Crompton, Harold Mathewson	Lawrence, Mass.
Dickinson, Leonard Alvin	Litchfield
Dillon, Harold Joseph	Hartford
Foote, Arnold Chase	Andover
Foote, Elmer Harrison	Colchester
Green, Mortimer	Elizabeth, N. J.
Gustafson, Axel Conrad	Georgetown
Hart, William Delos	West Cornwall
Holmquist, Albin	Kensington
Hyatt, Harold Manville	Danbury
Isele, Walter	Bristol
Janoyan, Philip	Hartford
Many, Raymond Lincoln	Port Jefferson, N. Y.
McCall, Royce Frederick	Leonard Bridge
Mead, George Merwin, Jr.	Greenwich
Moshier, Charles Carl	Waterbury
Piper, Walter Erving, Jr.	Quincy, Mass.
Quinlivan, John Robert	Wallingford

Rincones, Miguel Anthony	Brooklyn, N. Y.
Ryder, William	Georgetown
Sahlin, George Axel	Bridgeport
Sherman, Roger	Springfield, Mass.
Smith, Leonard Prentice	New Rochelle, N. Y.
Tryon, Harold Newman	Hartford
Ulrich, August Charles	Thomaston
Wheeler, George Arthur	Petersham, Mass.
Whitham, Erwin William	Kensington
Williams, Frank Vinton	Buckland
Wright, Wilford Holliday	Bridgeport

SCHOOL OF HOME ECONOMICS

Second Year

Brakenridge, Dorothy Alicia	Waterbury
Gavette, Doris May	Wallingford
Valentine, Cora Mildred	Springfield, Mass.

First Year

Aspinwall, Eleanor May	Berlin
Beebe, Gladys Anna	Storrs
Beebe, Mildred Elizabeth	Storrs
Blake, Helen Edith	Storrs
Gardiner, Emma Louise	Eagleville
Garrigus, Elsie May	Storrs
Munckton, Margaret	Des Moines, Iowa
Oguschewitz, Dora	Mansfield Depot
Sahlin, Ethel Marie	Bridgeport

WINTER SHORT COURSE—1915

Bennett, Ruth	Killingly
Brakenridge, Dorothy A.	Waterbury
Benton, Eliot H.	Guilford
Bowdy, Bernard E.	North Cos Cob
Burstein, Louis	Colchester
Byron, John J.	Danbury
Cobb, Carl	Norfolk
Collins, Donald A.	North Ashford
Hinton, John G.	New Canaan
Holt, J. William	Southington
Hotchkiss, Reed H.	Millerton, N. Y.
Johanson, Victor	South Manchester
Karlson, David	East Hampton
Ketels, Hans	West Morris

Kramer, Charles	Georgetown
Kriegman, Edward	Norwich
Middendorff, Arthur J.	Brooklyn, N. Y.
Ostergren, Ruben	Haddam Neck
Ratkiewich, Albert	Union City
Sadd, Walter C.	Wapping
Schickel, William C.	New York City
Schobess, Carl Friedrich H.	Norwich
Schneidman, John L.	Brooklyn, N. Y.
Stewart, Stanley	Farmington
Taylor, Clarence J.	East Kent
Toll, John Michael	Milford, N. Y.
Weik, William C.	Morris

SUMMARY

Seniors	22
Juniors	30
Sophomores	35
Freshmen	33
College course in home economics	6
College course in mechanic arts	3
Special students	11
School of agriculture	64
School of home economics	12
Winter short course	27
	243
Counted twice	1
	242

Graduates

1883

Fred Birge Brown		Address not known
Charles Spencer Foster	Stationary Engineer	Terryville, Conn
Henry Richard Hoisington, Jr.		Address not known
Burke Hough		Northampton, Mass.
Arthur Sherwood Hubbard	Salesman	730 Grand st., Hoboken, N. J.
Andrew Keith Thompson	Cashier	28 Smith street, New Haven, Conn.

1884

Clifford S. Barnes	Coal Dealer	Bristol, Conn.
Jerry Lincoln Fenn	Lawyer	36 Pearl street, Hartford, Conn.
Frank S. Hubbard*		
Andrew Hyde		Address not known
Fred Chollar Leavens	Farm supt.	Killingly, Conn.
Samuel Q. Porter	Stock Breeder	West Plains, Mo.

1885

Robert A. Ayer	Lumberman	Olympia, Wash.
Horace S. Eaton	Real Estate	Windham, Conn.
Frank Ellsworth Fenner	Merchant	421 East 49th street. Los Angeles, Calif.
Archer Clayton Ford	Orchardist	R. F. D. No. 2, Grant's Pass, Ore.
Royal E. Myers		Address not known
Isaac Banks Wakeman	R. E. Broker	156 Broadway, New York City

1886

John Hubbard Atkins	Merchant	Middletown, Conn.
Eugene A. Bailey*		
Edgar Sidney Blair	Fruit Grower	Snead's Island, Fla.
Wilbur Leander Chamberlain	Farmer	Rocky Hill, Conn.
Fred T. Coe	Clerk	Middlefield, Conn.

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*Deceased.

John H. Gardner, Jr.	Vet. Surgeon	Taftville, Conn.
Henry R. Hayden	Sec. and Treas.	E. Hartford, Conn.
Selden W. Hayes	Asst. Principal Farm School	Granby, Conn.
Bruce Hough		Address not known
Edgar Johnson Leavenworth	Meat Dealer	Derby, Conn.
John B. Perry	Real Estate	Wanwatosa, Wis.
Arthur Loren Reed	Farmer	R. F. D. No. 2, Rockville, Conn.
Fred A. Robinson	Dentist	American Postal Agency Shanghai, China
Ira B. Smith		Address not known

1887

Dexter E. Hall	Salesman	Box 1382 Meriden, Conn.
William J. Irwin	Insurance Agent	130 Edgewood street, Hartford, Conn.
William Storrs Lee	Farmer	Hanover, Conn.
Sidney H. Perry	Salesman	Danielson, Conn.
Edward F. Weed	Supt. of Real Estate	Rowayton, Conn.
John Wing Yeomans	Mech. Engineer	20 Harvard Ave., Providence, R. I.

1888

Willette Lincoln Alley	Butcher	Banksville, Conn.
Wesley Roswell Coe	Teacher	Yale University New Haven, Conn.
Henry Bacon Hubbard	Bookkeeper	1540 72d street, Brooklyn, N. Y.
George Henry Knowles	Gardener	Rockville, Conn.
Keeney Bradley Loomis	Farmer	S. Manchester, Conn.
Harry Lincoln Quinlin*		
Charles William Roberts	Farmer	Middletown, Conn.
Clarence Henry Savage	Farmer	Storrs, Conn.
Charles Augustus Wheeler	Teacher	Storrs, Conn.

1889

Merton Chapman	Farmer	Groton, Conn.
Samuel Hart Deming	Machinist	17 Warner street, Hartford, Conn.
Fred Alfred McKenzie	Clerk	25 Capitol ave., Hartford, Conn.

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*Deceased.

1890

Ernst Hamilton Brandt	Manager	W. Hartford, Conn.
Merrill Everett Brown	Sec'y Derby Shelton Y. M. C. A.	Box 52, Derby, Conn.
Charles James Gilmore		Address not known
Wilbur Lionel Goodenough	Mail Clerk	Winsted, Conn.
Latham Hull	Stockbreeder	N. Stonington, Conn.
John Hunter Lacke	Lawyer	177 Montague street, Brooklyn, N. Y.
Carlton Elbert Lane	Grain Dealer	Killingly, Conn.
Clarence Bronson Lane	Dairy Specialist	6924 McCollum street, Germantown, Pa.
George Neth	Electrician	Oak Park, Ill.
Charles Backus Pomeroy	Farmer	Willimantic, Conn.
Robert Garland Shepard		Address not known
Adolph Carl Sternberg, Jr.	Fruit Grower	W. Hartford, Conn.
Willis LeRoy Wetmore	Farm Manager	Woodstock, Ill.

1891

Herbert Porch Caldwell		Address not known
Charles Vibert Chandler	Clerk	428 Franklin avenue, Hartford, Conn.
Walter Ernest Cummings	Hardware Dealer	Webster, Mass.
James Sumner Fowler		Address not known
John Carter Frisbie	Civil Engineer	Care of F. T. Ley Co. Springfield, Mass.
Alfred Herbert Griswold	Contractor	Stamford, Conn.
Arthur Gilbert Hall	Salesman	Haddam, Conn.
Harry Grant Manchester	Farmer	Station A, Winsted, Conn.
George Henry Merwin	Farmer	Southport, Conn.
Fred Rosebrooks	Farmer	Willimantic, Conn.
Walter Lyman Rosebrooks	Hardware Dealer	Webster, Mass.
Charles Herbert Vibert	Stenciller	Kensington, Conn.
Allen Rice Yale*		

1892

Charles George Allyn	Merchant	74 William street, Hartford, Conn.
Seth Herbert Buell	Minister	209 E. 10th street, Grand Island, Neb.

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*Deceased.

Aaron William Fenn	Mail Carrier	R. F. D. No. 3, Terryville, Conn.
Henry Edward French	Farm Supt.	R. F. D. No. 1, Farmington, Conn.
George Henry Hall, Jr.	Printer	149 E. 33d street, New York City
Walter Holden	Electrician	Pine street, Norwich, Conn.
Walter Francis Schults		Address not known
Herbert Edmund Warner	Farmer	R. F. D., Clintonville, Conn.

1893

Ernest Treat Beard	Emp'd in Mfg	Milford, Conn.
Walter Harley Bishop	Farmer	North Haven, Conn.
Charles Henry Brimble*		
Frederick William Darnstedt	Supt.	540 W. 163rd street, New York City
William Bailey Dayton	Farm Manager	Green's Farms, Conn.
Walter Morgan Donovan		Address not known
Charles Wells Eddy	Civil Engineer	Thomaston, Conn.
Edward Blodgett Fitts	Agrl. Extension Work	Oregon Agrl. College, Corvallis, Oregon
William James Frey	Farmer	Suffield, Conn.
Martin Moore Frisbie	Herdsman	1409 Adams street, Phoenix, Ariz.
Harvey Clark Harrison	Secretary	Ampere, N. J.
Frank Curtis Osborne	Clerk	Litchfield, Conn.
Martin Hibbard Parker	Farmer	Mansfield Depot, Conn.
Homer Gurley Sperry	Insurance Agent	45 Orne street, Worcester, Mass.
Walter Arnold Warren*		

1894

Charles Henry Brimble†
Seth Herbert Buell†
John Carter Frisbie†
Harvey Clark Harrison†
Martin Hibbard Parker†
Walter Francis Schults†
Herbert Edmund Warner†
Walter Arnold Warren†

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*Deceased.

†Graduated with an earlier class; returned and completed the four-year course established in 1893.

Hobart James Brockett‡	Farmer	Clintonville, Conn.
Louise Jane Rosebrooks‡ (Mrs. J. S. Faulkner)	Housekeeper	24 Eaton street, Hartford, Conn.
Anna Mabel Snow‡ (Mrs. E. B. Fitts)	Housekeeper	Corvallis, Oregon
Nellie Louise Wilson‡ (Mrs. Nellie L. Bingham)	Housekeeper	116 Amherst street, Nashua, N. H.

1895

Francis Ariel Bartlett*		
Martin Moore Frisbie†		
Charles Robert Green	Librarian	Amherst, Mass.
George Ransom Hall	Salesman	West Hartford, Conn.
William App Richard Hawley		Address not known
Arthur Joseph Pierpont*		
Arthur Edward Shedd	Merchant	R. F. D. No. 1, Norwich, Conn.
Wm. Alonzo Stocking, Jr.	Teacher	Cornell University, Ithaca, N. Y.

Arthur Clayton James‡	Mail Clerk	Newington Junction, Ct.
Arthur Hatch Sturdevant‡	Civil Engineer	15 W. 14th street, Oklahoma City, Okla.
Albert Buckingham Tyler‡	Farmer	Middlebury, Conn.

1896

Howard Grant Barber	Teacher	Stafford Springs, Conn.
Grace Emily Blakeman (Mrs. S. W. Eddy)	Housekeeper	Avon, Conn.
Olive Nicholson Clark	Teacher	Saybrook, Conn.
Albert Ernest Coles	Marine Engineer	35 Vera street, West Hartford, Conn.
Clayton Theron Curtis	Farmer	Glastonbury, Conn.
John Harry Evans	Doctor	R. F. D. No. 3, Cortland, N. Y.
Ethel Eugenia Freeman	Agent	Eagleville, Conn.
Grace Edith Snow (Mrs. Grace E. Palmer)	Housekeeper	R. D. No. 4, Norwich, Conn.

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‡Three-year course.

*Deceased.

†Graduated with an earlier class; returned and completed the four-year course established in 1893.

Leroy Minor Tucker	Farmer	Middletown, Conn.
Ernest Henry Waite	Tree Specialist	Amherst, Mass.
Olcott Frederick King‡	Farmer	South Windsor, Conn.

1897

Harry Eugene Atwood*		
Robert Dexter Beardsley	Civil Engineer	Naugatuck, Conn.
Frederick Norman Buell		Address not known
Fred Forbes Bushnell	Vet. Surgeon	Harvard, Ill.
Francis R. Comber	Vet. Surgeon	Sault Ste. Marie, Mich.
John Nelson Fitts	Teacher	Storrs, Conn.
Charles Lewis Foskett	Salesman	75 South Main street, Winsted, Conn.
Erma Leonora Fuller (Mrs. N. J. Webb)	Housekeeper	Bloomington, Calif.
Albert Champion Gilbert	Chemist	3 Marion avenue, Woburn, Mass.
Ralph Davis Gilbert	Vice President	Winchester, Mass.
Arthur Otway Green*		
Grove Henry Johnson	Insurance Agent	Elmwood, West Hartford, Conn.
Harry Burton Luce	Farmer	R. F. D. No. 2, New Britain, Conn.
Victor Elizao Lucchini	Farmer	Meriden, Conn.
Benjamin Shipman Taylor	Farmer	So. Glastonbury, Conn.

1898

Dennis Julian Burgess	Bookkeeper	824 Second street, Fall River, Mass.
Charles Sydney Chapman	Forester	719 Yeon Building, Portland, Oregon
Charles Stoddrad Francis	Fire Insurance Agent	Danielson, Conn.
Harry Lucian Garrigus	Teacher and Farm Superintendent	Storrs, Conn.
Walter Stanley Gillette	Stenographer	North Haven, Conn.

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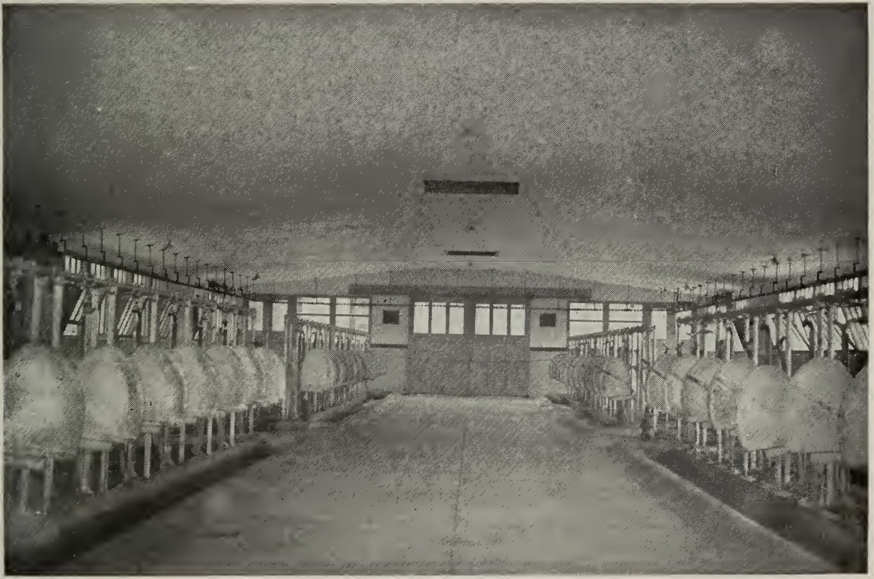
‡Three year course.
*Deceased.



DAIRY BARN

FORMAL GARDEN

MILITARY BATTALION

Willis Nicholas Hawley*		
Herbert Kirkpatrick	Grocer	Cromwell, Conn.
Edwin Shepard Mansfield	Farmer	North Haven, Conn.
Herman Frederick Onthrup	Teacher	Goldendale, Wash.
Joseph William Pincus	Agri. Editor	174 Second avenue, New York City
Max Schaffrath	Superintendent	Box 168, Coalinga, Cal.
Clinton Gold Smith	Forest Service	Logan, Utah
George Ernest Smith	Civil Engineer	19 Judson avenue, New Haven, Conn.
Norman James Webb	Machinist	Bloomington, Calif.

1899

Selma Alida Carlson (Mrs. Selma A. Royce)	Housekeeper	Stafford Springs, Conn
Frank Dexter Clapp	P. O. Clerk	15 Stedman street, Hartford, Conn.
Roscoe Hoskins Gardner	Nurseryman	Cromwell, Conn.
Irvin Edson Gilbert	Woodworker	Bristol, Conn.
Arthur Franklin Green	Farm Supt.	Middlebury, Conn.
George Melville Greene	Chemist	R. F. D. No. 1, Plainfield, N. J.
Ida Louise Hobby	Housekeeper	Glastonbury, Conn.
Willard Whitaker James	Civil Engineer	218 Leland avenue, Plainfield, N. J.
Elsie Sophia Leach (Mrs. R. H. Gardner)	Housekeeper	Cromwell, Conn.
Willard Ernest Mason	Stenograpner	371 E. 204 street, New York City
Edward Francis Manchester	Farmer	Bristol, Conn.
George Harry Miner	Bureau of Animal Industry	122 Claremont avenue, Buffalo, N. Y.
Willis Mills Nettleton	Farmer	Guilford, Conn.
Bertha May Patterson (Mrs. H. L. Garrigus)	Housekeeper	Storrs, Conn.
Clarence Dwight Smith	Farmer	Canterbury, Conn.
Benjamin Hovey Walden	Assistant, Experiment Station	Conn. Agr. Exp. Station New Haven, Conn.
Cassius Way	Vet. Surgeon	781 Ocean avenue, Brooklyn, N. Y.
Elmer Clinton Welden	Division Engineer of State Highways	Willimantic, Conn.
Katherine Rosetta Yale (Mrs. V. E. Lucchini)	Housekeeper	Meriden, Conn.

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*Deceased.

1900

Frederick Joseph Baldwin	Farmer	Watertown, Conn.
Edwin Stanley Bishop	Farmer	Clintonville, Conn.
Marie Carrie Brown	Teacher	186 Steuart avenue, Arlington, N. J.
Herman Deane Edmond	Chemist	Storrs, Conn.
Harry David Emmons	Clerk	Thomaston, Conn.
Gertrude Eliza Grant (Mrs. Gertrude E. Knight)	Housekeeper	3 Blinn street, East Hartford, Conn.
Hester Clarice Hall (Mrs. H. B. Luce)	Housekeeper	R. F. D. No. 2, New Britain, Conn.
Anna Christina Jacobson (Mrs. F. F. Bushnell)	Housekeeper	Harvard, Ill.
Irving Charles Karr*		
Edith Sara Latimer (Mrs. Edith S. Hannum)	Housekeeper	10 Abbot street, Pittsfield, Mass.
Lena Eliza Latimer (Mrs. A. V. Osmun)	Housekeeper	Amherst, Mass.
John Bowers Lyman	Farmer	Gilead, Conn.
Christie Jennie Mason	Assistant, Experiment Station	Storrs, Conn.
Eva Belle Mason (Mrs. Eva B. Knowlton)	Housekeeper	Mansfield, Conn.
Edna Mabel Nason*		
Albert Vincent Osmun	Teacher	Amherst, Mass.
Hannah Bertha Squire	Teacher	Manchester, N. H.
Horace George Williams	Florist	Silver Lane, Conn.

1901

Joseph Howard Blakeslee	Insurance Agent	Derby, Conn.
Edwin Pike Brown	Farm Supt.	South Montrose, Pa.
William Wallace Dimock	Teacher	Iowa State College, Ames, Iowa
Theodore Francis Downing	State Police	252 Ashley street, Hartford, Conn.
Chas. Wentworth Fairchild	Merchant	R. F. D. No. 4, Bridgeport, Conn.
Elia Tom Kuzirian	Merchant	105 Canal street, Providence, R. I.

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*Deceased.

Frederick Henry Plumb		64 State street, Cambridge, Mass.
Frederick William Pratt		1458 W. 74th street, Cleveland, Ohio
Walter Franklin Thorpe	School Proprietor	Syracuse, N. Y.
John Hamilton Vallett	Mechanic	74 Mitchell street, Groton, Conn.

1902

Howard Lyndon Bushnell	Farm Supt.	Bloomfield, Conn.
John Skinner Carpenter	Telephone Supt.	East Hampton, Conn.
Alfred Byron Clark	Farm Supt.	West Hartford, Conn.
Stephen Miller Crowell	Farmer	Middletown, Conn.
John Joseph Farrell	Carpenter	Storrs, Conn.
Vera Estelle Freeman (Mrs. Vera E. Hawkins)	Housekeeper	Eagleville, Conn.
Elizabeth Emily Goodrich (Mrs. Elizabeth E. Kipp)	Housekeeper	163 State street, Perth Amboy, N. J.
Lester Ford Harvey	Farm Supt.	Hingham, Mass.
George Hubert Hollister	Park Supt.	272 Westland street, Hartford, Conn.
George Herbert Lamson, Jr.	Teacher	Storrs, Conn.
Jennie Maude Olin (Mrs. Clyde S. Miller)	Housekeeper	Wauleenah, Fla.
James Byron Thwing	Manager	118 Asylum street, Hartford, Conn.
Laura Josephine Wheeler (Mrs. Laura J. Thornton)	Housekeeper	Trumbull, Conn.

1903

Ralph Johnson Averill	Farmer	Washington Depot, Conn.
Arthur Charles Hauck*		
Allen Wilbur Manchester	County Agent	Litchfield, Conn.
Morton Elbert Pierpont	Milk Dealer	Box 828, Waterbury, Conn.
Wilbur Foshay Stocking	Forester	Stratford, Conn.
Toros Assadoor Varbedian	Merchant	Putnam, Conn.

1904

Ella Margaret Akers	Housekeeper	Bradford, R. I.
Herbert Spencer Comstock	Buttermaker	West Simbury, Conn.
Robert Treat Dewell	Lawyer	Box 934, Jacksonville, Fla.

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*Deceased.

Rosa Warner Dimock	Teacher	Merrow, Conn.
Frederic Jerome Ford	Farmer	Washington Depot Conn.
Harry Grant Manchester†		
Dwight Knowlton Shurtleff	U. S. Army	U. S. Arsenal, Watertown, Mass.

Bachelor of Science

Herman Deane Edmond, 1900

1905

Geo. Merwin Chapman, Jr.	Fruit Grower	Santa Barbara, Isle of Pines, Cuba
Annie Eliza Clark	Teacher	Beacon Falls, Conn.
Perry Hamlin Cornwall	Lawyer	Portland, Conn.
Charles Wheeler Dewey	Teacher	Florence, Mass.
Elizabeth Donovan	Dietitian	State Industrial School, Lancaster, Mass.
Paul Weidemeyer Graff,	Botanist	1795 North avenue, Bridgeport, Conn.
Sherman Preston Hollister	Teacher	Storrs, Conn.
Frank Seymour Hornbeck	Nurseryman	Chester, Conn.
Fred Koenig	Instructor	Cornell University, Ithaca, N. Y.
Albert Ernest Moss	Asst. State Forester	Storrs, Conn.
William Woodward Ohlweiler	Botanist	Missouri Botanical Garden, St. Louis, Mo.
Irving Wooster Patterson	Highway Engineer	State Highway Dept. Providence, R. I.
Oliver Dibble Tuller	Farmer	West Simsbury, Conn.
Clark Hubbard Welton		1040 Cooke street, Waterville, Conn.

Bachelor of Science

Stephen Miller Crowell, 1902

1906

David Boris Alcott	Agri. Investigator	174 2nd avenue, New York City
James Harry Barker	Farmer	Branford, Conn.
Mark Bishop	Farmer	Cheshire, Conn. R. F. D.

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†Graduated from a shorter course in 1891.

Walter Leon Curtis	Vet. Surgeon	118 W. 53rd street, New York City
Thomas Henry Desmond	Landscape Architect	721 Main street, Hartford, Conn.
Paul Cornwall Dunham	Draughtsman	Plantsville, Conn.
Clinton Jefferson Grant	Agri. Extension Agent	64 Euclid avenue, Springfield, Mass.
Frederick August Miller	Vet. Surgeon	27 Day street, Fitchburg, Mass.
Dwight Junius Minor	Farmer	Bristol, Conn.
Harry Brainard Risley	Vet. Surgeon	74 Adams street, Brooklyn, N. Y.
Grace Ethel Seage (Mrs. Wilson Fisher)	Housekeeper	622 West Main street, Battle Creek, Mich.
Arthur Watson Sweeton	County Agent	Brattleboro, Vermont
Mary Esther Toohy		Marbledale, Conn.
Ralph Goodrich Tryon	Farmer	South Glastonbury, Conn.
Theodore Charles Waters	Farmer	Wethersfield, Conn.

1907

Howard Francis Barber	Farmer	East Windsor, Conn.
Rudolph Thomas Beaupain	Market Gardener	Milbrook, N. Y.
Earl Bemis	Dairyman	East Woodstock, Conn.
Edwin James Buchtenkirch	Florist	Sea Cliff, N. Y.
Chester Ferrin English	Doctor	30 Washington street, Hartford, Conn.
Merrill Nelson Falk	Fruit Grower	Sheldonville, Mass.
Herbert Gilbert Hallock	Farmer	Washington Depot, Conn.
Lena May Hurlburt, (Mrs. Lena M. Nickols)	Housekeeper	93 Easton avenue, Waterbury, Conn.
Arthur Edgert Miller	Engineer	Sciotoville, Ohio
Frank Stephen Morris	Market Gardener	Wethersfield, Conn.
Patrick Henry Murphy	Mechanic	Essex, Conn.
Stanley Burdette Reed	Market Gardener	Clinton, Conn.
George William Simon	Western Representative, Jewish Agrl. Aid Society	706 W. 12th street, Chicago Ill.
Roger Emerson Sperry		Clinton, Conn.
Ernest Marion Stoddard	Asst. in Experiment Station	Conn. Exper. Sta , New Haven, Conn.

Bachelors of Science

Paul Weidemeyer Graff, 1905
William Woodward Ohlweiler, 1905

1908

Carlton Belden Barnard	Farmer	Bloomfield, Conn.
Charles Warren Bonner	Fruit Grower	R. F. D., Rockville, Conn.
Harry Julius Bothfeld	Poultryman	Cataumet, Mass.
Orrando Perry Burr	Farmer	Romford, Conn.
Horace Asa Case	Farmer	Canton, Conn.
George Henry Miller Devine	Farm Supt.	Stockbridge, Mass.
Pauline Hopson,	Library Asst.	Storrs, Conn.
John Earl Leslie Houston	Fruit Grower	Mansfield Depot, Conn
Wallace Lynch	Orchardist	R. F. D. No. 3, Altamont, N. Y.
Herbert Edward Marsh	Farmer	New Milford, Conn.
Joseph Henry Pierpont	Dairyman	Waterbury, Conn.
Norman William Purple	Business	East Hampton, Conn.
Henry Walter Schneider	Clerk	Hartford Beef Co., Hartford, Conn.
Keith Scott		Groton, Mass.
Garrett Marshall Stack	Farmer	Still River, Conn.
Ralph Emerson Wadsworth	Florist	Northboro, Mass.
Arthur Eggleston Webster	Farmer	Berlin, Conn.
Curtiss Truman Woodruff	Machinist	Washington, Conn.

1909

Harold Eugene Botsford	Teacher	Petersham, Mass.
Roger Beach Briggs		Stratford, Conn.
Joseph Harrison Conzelman	Student	Bristol, Conn.
Mary Esther Costello	Teacher	Eagleville, Conn.
Merrill Thurston Downe		64 Grove street, Fitchburg, Mass.
James Alexander Gamble	Milk Inspector	514 C St. N. E. Washington, D. C.
Robert Southgate Griswold, Jr.	Clerk	Care Griswold Seed Co., Lincoln, Neb.
Frank Sanford Hoff		Millis, Mass.
Wesley Oviatt Hollister	Secretary Davey Institute	Kent, Ohio
Clifford Elmer Hood		Millis, Mass.

Edmund Henry Horton	Farmer	Hebron, Conn.
George Diack Horton	Teacher	Oregon Agrl. College, Corvallis, Ore.
Martin Luther Hungerford	Fruit Grower	New Milford, Conn.
Oliver Frank Kilham, Jr.	Nurseryman	Orenco, Ore.
Frank Albert Loveland	Agent	360 Fairfield avenue, Hartford, Conn.
Inex Dora Mason	Student	Mansfield, Conn.
Frank Lawrence McDonough		Batesburg, S. C.
Mary Emma Merrick	Teacher	8 Beacon street, Boston, Mass.
Aberlardo Pachano	Teacher	Ambato, Ecuador
Israel Harris Rotman	Farmer	Millis, Mass.
Joseph Samuels	Salesman	57 Spruce street, Hartford, Conn.
Harry Cleveland Shewry	Surveyor	6 Elm Terrace, So. Manchester, Conn.
Richard Arnold Storrs	Supervisor	Colchester, Conn.
Wayne Lewellyn Storrs	Farmer	Mansfield Center, Conn.
Rudolf Sussman	Teacher	Lynchburg, Me.
George Benjamin Treadwell	Farm Supt.	Georgetown, Conn.
Gilbert Edward Vincent	Farmer	Kent, Conn.
Robert Carlton Wakeman		11 Summer street, Norwalk, Conn.
Philemon Beecher Whitehead	Farmer	Romford, Conn.

Bachelor of Science

Ernest Marion Stoddard, 1907

1910

James Bliss Ashcraft, Jr.	Farm Manager	Owatonna, Minn.
Victor George Aubry	Agrl. Extension Agent	N. J. College of Agr., New Brunswick, N. J
Muriel Whitcome Beers	Housekeeper	R. F. D. Brookfield Center, Ct
Augustus Jackson Brundage	Agrl. Extension Agent	Storrs, Conn.
Charles Denison Clark	Farm Manager	Simsbury, Conn.
Lucius Augustus Close	Farmer	R. F. D. Mount Kisco, N. Y
Thomas Constantinoff	Teacher	Stanimaka, Bulgaria
Grove Walter Deming	Teacher	Mount Hermon, Mass.

Alfred Dwight Emmons	P. O. Clerk	Waterbury, Conn.
Richard Fitch Flint	Farmer	Ridgefield, Conn.
Erwin Hill Forbush	Agrl. Extension Agent	Mass. Agrl. College, Amherst, Mass.
Harold De Wolfe Hatfield	Teacher	Howard University, Washington, D. C.
Theodore House	Farmer	Middle Haddam, Conn.
Lester Allyn Ives	Nurseryman	29 Clinton street, Worcester, Mass.
Edna Elizabeth Jackson (Mrs. W. L. Slate, Jr.)	Housekeeper	Storrs, Conn.
Everett Elmer Jennings	Telephone Operator	Sebring, Fla.
Robert Victor Jennison	Farmer	R. F. D. Auburn, Mass.
Joseph James Linehan		Watertown, N. Y.
Charles Leslie Pierpont	Herdsman	Box 828, Waterbury, Conn.
Lewis Walter Ritch	Mechanic	Care of Pierce Arrow Co., Buffalo, N. Y.
George Albert Root	Student	Mass. Agrl. College, Amherst, Mass.
Paul Boyd Roth	Salesman	Care of Wilson H. Lee, New Haven, Conn.
Kurt von Schenk	Teacher	Rockville, Conn.
Nelson Ivan Smith	Farmer	New Milford, Conn.
John Henry Treadwell	Farmer	R. F. D. No. 19, Danbury, Conn.
Mary Davis Wilbur	Housekeeper	Abington, Conn.

Bachelor of Science

Harry Julius Bothfeld, 1908

As of 1910

(Diplomas awarded in June, 1911)

Seth Victor Anderson	Farmer	Middlebury, Conn.
Nathan Cohen		174 Second avenue, New York City
Paul Andrew Downs	Buttermaker	Storrs, Conn.
Max Paul Zappe	Asst. in Experiment Station	Conn. Agrl. Exp. Station, New Haven, Conn.

1911

Kumao Inouye*	Farmer	124 Kashiwagi Yodohashi-Machi Toyotama-Gori Tokyo, Japan

Bachelors of Science

Clifford Elmer Hood, 1909
George Diack Horton, 1909
Frank Lawrence McDonough, 1909
Keith Scott, 1908

1912

Bachelors of Science

Victor George Aubry, 1910		
Wesley Oviatt Hollister, 1909		
John Louis Horwitz	Teacher	Woodbine, N. J.
Joseph James Linehan, 1910		
George Albert Root, 1910		
Israel Harris Rotman, 1909		
Carl Mortimer Sharpe	Farm Supt.	Milford, Conn.
Richard Arnold Storrs, 1909		
Max Paul Zappe, 1910		

Graduates in Agriculture

Shailor Luzerne Clarke	Farmer	Paris, Ontario, Canada
Charles Gilbert Crocker	Farmer	R. D. No. 1, Waterbury, Conn.
William Samuel Ford	Farmer	Washington, Conn.
Guy Hunt Harvey	Farmer	Bay Minette, Ala.
John Blackmar Healey	Road Inspector	Woodstock, Conn.
Charles Edward Lawton	Dairy Specialist	Box 335, Twin Falls, Idaho
Robert McCrone Smith	Farmer	Ludlow, Mass.
Jose Felix Tamayo	Farmer	Ibarra, Ecuador

Graduate in Mechanic Arts

Moses Allyn Wadhams	Construction Foreman	5402 9th street, N. W., Washington, D. C.

---

*For completion of equivalent of five-year course. Because of the addition of a year to the course, there was no commencement in 1911.

Graduates in Home Economics

Arlene Olive Dunham	Housekeeper	Mansfield Center, Conn
Gladys Helena Flaherty (Mrs. N. H, White)	Housekeeper	Winsted, Conn.

1913

Bachelors of Science

August Frederick Schulze. Jr.	In Investigation Work	Storrs, Conn.
Jose Felix Tamayo, 1912		

Graduates in Agriculture

Roy Crowdy Avery	Student	Mass. Agrl. College, Amherst, Mass.
John Hobart Bishop	Farmer	Cheshire, Conn.
Truman Franklin Chipman	Farmer	252 William street, New London, Conn.
Raymond Nelson Dean	Farmer	Amenia Union, N. Y.
Theodore Andrew Earley	Farm Supt.	Ludlow, Mass.
Charles Pierre Harper	Farmer	Watertown, Conn.
Paul Julius Hauschild	Farmer	Storrs, Conn.
Alvan Wolfenden Howard	Teacher	Somerville, Mass.
Ruby Imion Ingham (Mrs. J. R. Fuller)	Housekeeper	Granby, Mass.
Donald Leverett Judd	Farmer	West Hartford, Conn.
Thomas Francis Keating	Surveyor	South Manchester, Conn
Evelyn Marvin Linsley	Farmer	154 Lombard street, New Haven, Conn.
James Hodges Loverin	Farmer	Shelton, Conn.
Everett Dickinson Mitchell	Farmer	Washington, Conn.
Charles Oliver	Farmer	Chester, N. J.
John Wood Pease	Farmer	Pine Meadow, Conn.
Frank Hall Peet	Farmer	Kent, Conn.
Louis Samuel Reiner	Teacher	Bloomfield, Conn.
Lawrence Edwin Rutan	Farmer	Chester, N. Y.
LeRoy Rodney Sanford	Farmer	Green's Farms, Conn.
Paul Lafargue Schwartz		312 Rugby Road, Brooklyn, N. Y.
Ralph Irving Scoville	Asst. in Dairy Dept.	Cornell University, Ithaca, N. Y.
Solomon Sherman	Gardener	265 Madison street, New York City
Glover Smith	Farmer	Woodbury, Conn.

Robbins Augustus Smith	Farmer	Moodus, Conn.
Herbert Gerald Steele	Farmer	Washington, Conn.
Edward Albert Tjarks		810 Violet street, West Hoboken, N. J.
Royal Erle Tomlinson	Cow Testing	Bethel, Conn.
Warren John Van Wagoner	Farmer	Oradell, N. J.
Horace Clark Vibert	Farmer	South Windsor, Conn.
Daniel Emory Williams	Farmer	Stratford, Conn.
Frank Vernon Wright		Salem, Mass.
George William Zucker	Real Estate	East Orange, N. J.

Graduates in Home Economics

Margaret Costello	Asst. in Home Economics Dept.	Storrs, Conn.
Grace Kathryn Forsythe (Mrs. E. M. Linsley)	Housekeeper	154 Lombard street, New Haven, Conn.

1914*

Bachelors of Science

Roy Crowdy Avery, 1913		
Margaret Costello, 1913		
Alvan Wolfenden Howard, 1913		
Ruby Imion Ingham, 1913		
George Henry William Peters	Fruit Grower	La Habra, Calif.
Louis Samuel Reiner, 1913		
Solomon Sherman, 1913		
Robbins Augustus Smith, 1913		
Robert McCrone Smith, 1912		
Edward Albert Tjarks, 1913		
Warren John Van Wagoner, 1913		
James Herbert Wood	Poultryman	Twin Mountain, W. Va.

1915

Bachelors of Science

Alfred Frederick Aulick
Harold Edgar Blackledge
George Ryerson Blake
Elmer Frost Farnham

---

*Because of lengthening the course one year, there was no commencement in 1914.

Erskine Hart Geer, Jr.
Benjamin Robert Graves
Frank Wallace Hastings
Leonard Holmes Healey, Jr.
William Penn Langdon, Jr.
Merle Roy Young

Four Year College Course in Agriculture

Walter Tod Ackerman
Thomas Raymond Bailey
Murray Kirke Cadwell
Harold Barbour Ellis
Leo Marks
William Albert Morgan
Earle Harrison Nodine
Edward Eugene Ragna
Louis William Seggel
Richard Mallory Starr
Abraham Torezken

Two Year College Course in Home Economics

Helen Bolan
Bertha Amelia Hallock
Dorothy Hemingway
Ethel Knowles Lewis

SCHOOL OF MECHANIC ARTS

1912

Alexander Treat Forbes		West Haven, Conn.

1913

Howard Lewis Trueman	Student	Truro, Nova Scotia

SCHOOL OF AGRICULTURE

1913

Harold Arthur Brundage	Farmer	Danbury, Conn.
William Harmon Carrier, Jr.	Farmer	Glastonbury, Conn.
Edward Conord		West Hoboken, N. J.
Benjamin Palmer Davis	Farmer	Yantic, Conn.
Rupert Allen Emmons		Chester, Conn.
Carl Weaver Jewett	Farmer	Hampton, Conn.

Rufus Richmond Knapp	Farmer	R. F. D. No. 4, Bridgeport, Conn.
Joseph Langhamer	Farmer	West Willington, Conn.
William Montgomery McNicol	Farmer	Jewett City, Conn.
Frank Julius Rimoldi	Student	Cornell University, Ithaca, N. Y.
Lucius Waterman Robinson	Farmer	Columbia, Conn.
William Tyler Schofield	Farmer	Naugatuck, Conn.
Elmer Davis Smith		Yalesville, Conn.
Clarence Henry Stone	Farmer	New Milford, Conn.
Benjamin Porter Storrs	Farmer	Cheshire, Conn.
Dwight Benedict Wadhams	Farmer	Bloomfield, Conn.

1914

Hugh Dougherty Bennett	Farmer	Ridgewood, N. J.
Margery Morgan Brewster	Farmer	Jewett City, Conn.
James Edward Coer	Farmer	54 Morningside avenue, Waterbury, Conn.
Julius Clapp Griswold		Wallingford, Conn.
Sumner Dyer Hollis	Farm Supt.	South Weymouth, Mass.
Joshua Nathaniel Lavietes		224 Washington Ave., New Haven, Conn.
Henry Reginald Noble	Herdsman	231 Park Place, Brooklyn, N. Y.
Charles Benjamin Palmer	Farmer	R. F. D. No. 3, Norwich, Conn.
Ernest Richard Peterson		Manchester, Conn.
William Reichenbach	Farmer	Woodbury, Conn.
James Robert Sias	Farmer	Sherborn, Mass.

1915

Walter Arnold Bates
Raymond James Black
Paul John Bradlow
Paul Levi Butler
John Kelly Cox
Vernet Ray Dutton
Herbert Liebreich
Arnold LeRoy Miller
Walter Clifford Morgan, Jr.
Ernest Hoyt Patchen
Wardner Richard Pattee

Arnold Rudolphi Rasmussen
Squire Bernard Romans
Martin Luther Roser
Charles Erskine Simmons, Jr.
Trueman Howe Spencer
Everett Calhoun Wadhams
Albert William Walton

SCHOOL OF HOME ECONOMICS

1913

Mabel Gene Griswold	Housekeeper	R. F. D. No. 2, Waterbury, Conn.
Marguerite Blanche Kenyon	Housekeeper	New London, Conn.
Sarah Mehetabel Stanton (Mrs. Lawrence Sherman)	Housekeeper	Branford, Conn.

1914

Ruth Bennett	Housekeeper	Killingly, Conn.
Miriam Blake	Housekeeper	Storrs, Conn.
Alice Marian Lewis	Housekeeper	260 Center street, Wallingford, Conn.
Marilla Prouty	Housekeeper	Meriden, Conn.

1915

Dorothy Alicia Brakenridge
Cora Mildred Valentine

Total number of graduates of all courses, four hundred seventy-nine, of whom sixty were women. Deceased, fourteen.

Graduates are requested to notify the college of changes in their occupations or addresses. Class secretaries and others are asked to co-operate with the college officers to keep the list above properly revised.

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C. A. C. BULLETIN

VOL. 12 AUGUST, 1916 NO. 4

CURRENT TO AUGUST, 1917

CATALOG NUMBER

ANNOUNCEMENTS FOR 1916-17

PUBLISHED BY

THE CONNECTICUT AGRICULTURAL COLLEGE
STORRS, CONNECTICUT

Entered as second-class matter at Eagleville, Conn.

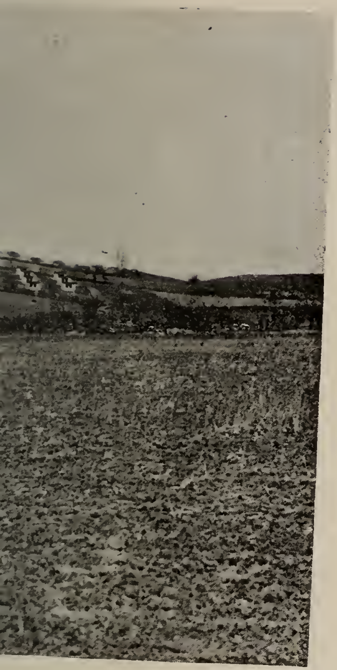
The Connecticut Agricultural College

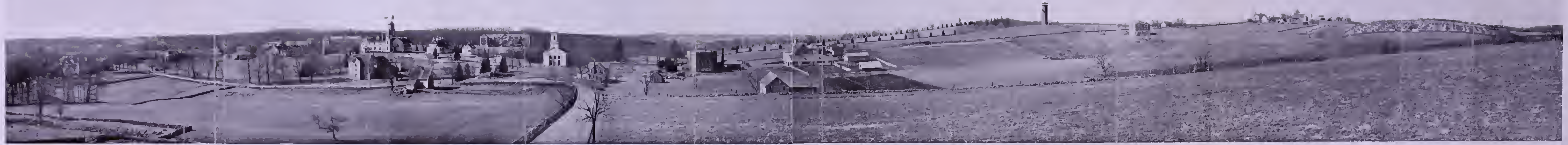
COURSES OF STUDY

1. Four-year college course in Agriculture.
2. Four-year college course in Mechanic Arts.
3. Four-year college course in Home Economics.
4. Two-year course in the School of Agriculture.
5. Two-year course in the School of Home Economics.

CHARLES LEWIS BEACH,
President

The college reserves the privilege of making without previous notice such changes in courses or regulations as the interests of the institution seem to demand.





CAMPUS, BUILDINGS, AND FARM CONNECTICUT AGRICULTURAL COLLEGE

THE CONNECTICUT AGRICULTURAL COLLEGE

CATALOG

ANNOUNCEMENTS FOR 1916-17

STORRS, CONNECTICUT

HARTFORD
Published by the State
1916

Officers of Instruction and Administration

FACULTY

CHARLES LEWIS BEACH, B. Agr., B.S.
President

---

*ALFRED GURDON GULLEY, M.S.
Professor of Horticulture

CHARLES AUGUSTUS WHEELER, M.A.
Professor of Mathematics

HENRY RUTHVEN MONTEITH, A.B.
Professor of History and English

EDWINA WHITNEY, Ph.B.
Instructor in German. Librarian

HARRY LUCIAN GARRIGUS, B.Agr.
Professor of Animal Husbandry. Farm Superintendent

GEORGE HERBERT LAMSON, JR., M.S.
Professor of Zoology and Geology

JOHN NELSON FITTS, B.Agr.
Professor of Mechanic Arts

WILLIAM MERRILL ESTEN, M.S.
Professor of Bacteriology

ALVA TRUE STEVENS, M.S.
Instructor in Horticulture

BURT KIMBALL DOW, V.S.
Lecturer in Veterinary Science

HOWARD DOUGLAS NEWTON, Ph.D.
Professor of Chemistry

MAUD ELLEN HAYES, A.M.
Professor of Home Economics

SHERMAN PRESTON HOLLISTER, B.S.A.
Instructor in Horticulture

JOHN LEROY HUGHES, A.M.
Instructor in Chemistry

WILLIAM FRANKLIN KIRKPATRICK, B.E., B.Agr.
Professor of Poultry Husbandry

JERAULD ARMINGTON MANTER, B.S.
Instructor in Zoology

BENJAMIN GILBERT SOUTHWICK, B.Sc.
Assistant Professor of Agronomy

---

*Arranged according to length of service.

WILLIAM L. SLATE, JR., B.S.Agr.
Professor of Agronomy

ETHEL TOWNSEND COUSLEY
Instructor in Home Economics

MIRIAM ADAMS THOMPSON, B.A.
Instructor in Music

ANNA MARY WALLACE, Ph.B.
Instructor in English and Elocution

GEORGE CLEVELAND WHITE, B.S.A., A.M.
Professor of Dairy Husbandry

HENRY FORREST JUDKINS, B.S.
Instructor in Dairy Husbandry

LIEUTENANT CHARLES B. AMORY, JR., Ninth Cavalry, U. S. A.
Professor of Military Science. Commandant

ALBERT ERNEST MOSS, M.F.
Instructor in Forestry

MARGARET COSTELLO, B.S.
Instructor in Home Economics

DAVID EDMOND WARNER, B.S.
Instructor in Poultry Husbandry

DANIEL CHASE, A.B., M.S.
Professor of Physical Education

EDMUND WARE SINNOTT, Ph.D.
Professor of Botany and Genetics

FLOYD WALDO DUFFEE, B.Sc. in Agr.
Instructor in Agronomy

GEORGE SAFFORD TORREY, A.M.
Instructor in Botany

GLENN HAROLD CAMPBELL, B.S. in Agr.
Instructor in Dairy Husbandry

CHRISTIE JENNIE MASON, B. Agr.
Instructor in Bacteriology

THEODORE H. EATON, Ph.D.
Professor of Agricultural Education

OTHER OFFICERS

GEORGE W. FRASER
Superintendent of Grounds

GEORGE A. BLAKE
Superintendent of Buildings

RAYMOND I. LONGLEY
Treasurer and Purchasing Agent

STELLA M. FINDLAY
Manager of the Boarding Department

FACULTY COMMITTEES

Committees On Courses of Study

Agriculture

Professor Slate
Professor Gulley
Professor Kirkpatrick
Professor White
Professor Monteith
Professor Lamson
Professor Eaton

Mechanic Arts

Professor Fitts
Professor Wheeler
Professor Newton

Home Economics

Miss Hayes
Mrs. Cousley
Miss Whitney

Status Committee

Freshmen, Professor Sinnott

Sophomores, Professor Slate

First Year School of Agriculture, Mr. Judkins

Second Year School of Agriculture, Professor White

Home Economics, Miss Hayes

Mechanic Arts, Professor Fitts

Junior and Senior Agricultural and Special Students, Head of Department in which the student is majoring.

Committee on Discipline

Professor Monteith
Professor Lamson
Professor Newton
Lieutenant Amory

Administration Committee

Professor Slate
Professor Wheeler
Professor Kirkpatrick

Committee on Social Affairs

Professor Sinnott
Miss Hayes
Mr. Manter
Miss Thompson

Students' Employment Committee

Mr. Stevens
Professor Garrigus
Professor Kirkpatrick

Committee on Student Activities

Professor Newton
Professor Wheeler
Mr. Judkins

Members of Athletic Council

Professor Chase
Mr. Edmond
Professor Wheeler
Mr. Judkins

EXPERIMENT STATION STAFF

E. H. Jenkins, Ph. D., Director
*G. H. Lamson, Jr., M. S., Zoologist
H. D. Edmond, B. S., Chemist
*W. F. Kirkpatrick, B. E., B. Agr., Poultry Husbandman
L. F. Rettger, Ph. D., Bacteriologist, Poultry Investigations
*W. L. Slate, Jr., B. S. Agr., Agronomist
*B. G. Southwick, B. S., Assistant Agronomist
*G. C. White, B. S. A., A. M., Dairy Husbandman
*H. F. Judkins, B. S., Assistant Dairy Husbandman
L. E. Card, B. S., Assistant Poultryman

---

*Division of time between instruction and experimental work

EXTENSION SERVICE

H. J. Baker, B. S., Director
I. G. Davis, B. A., Assistant State Leader and Farm Management Demonstrator
A. J. Brundage, Boys' Clubs
Miss M. E. Sprague, Girls' Clubs
R. E. Jones, Poultryman
Karl B. Musser, A. M., Dairyman
H. O. Daniels, Farm Demonstrator
B. A. McDonald, Assistant Farm Management Demonstrator
Miss Maud E. Hayes, A. M., Home Economics
Theodore H. Eaton, Ph. D., Agricultural Education
F. C. Warner, B. S., County Agent, New London County
S. J. Wright, B. S., County Agent, Fairfield County
A. W. Manchester, B. S., County Agent, Litchfield County
W. C. Kennedy, B. S., County Agent, Windham County
W. A. Cook, County Agent, Hartford County
F. E. Rogers, M. S., County Agent, New Haven County
John H. Fay, B. S., County Agent, Middlesex County

CALENDAR FOR 1916--1917

1916

JULY

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1917

JANUARY

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APRIL

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MAY

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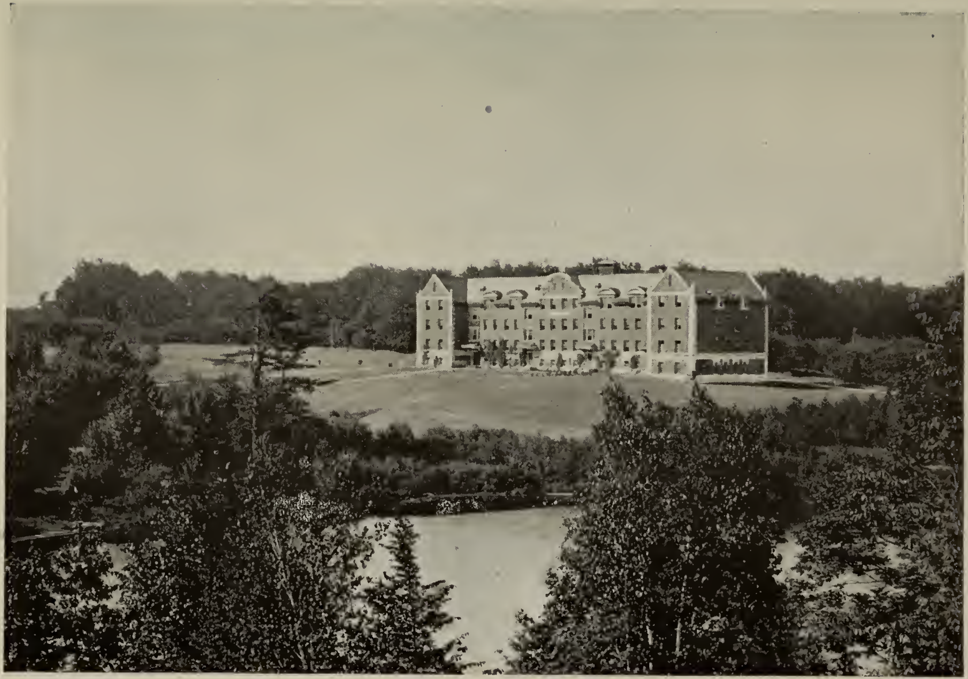
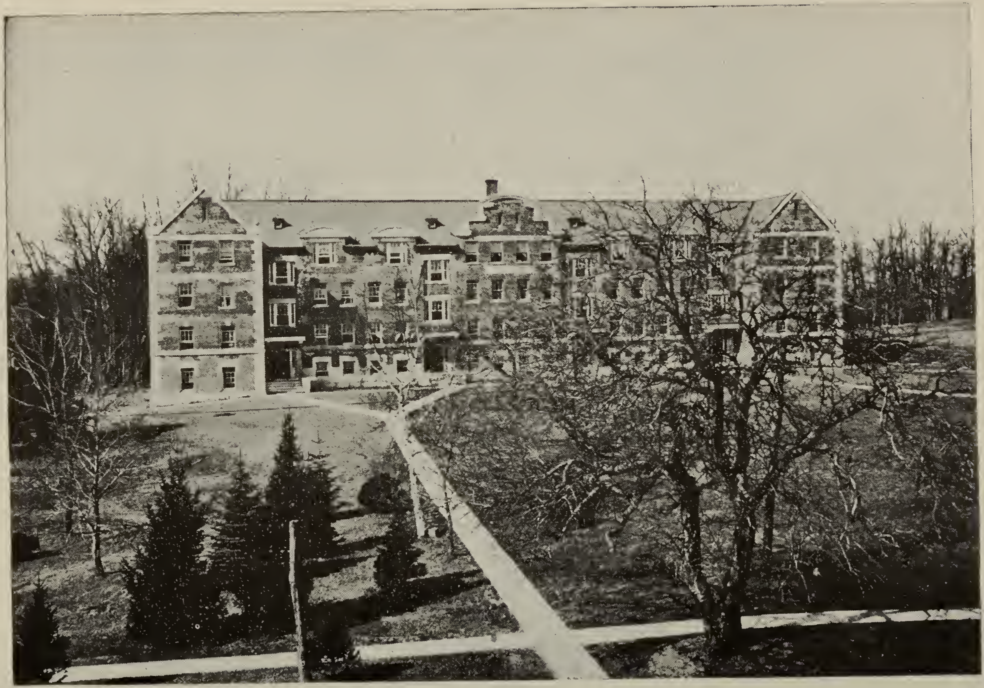


STORRS HALL, MEN'S DORMITORY.



KOONS HALL, MEN'S DORMITORY.

Calendar

1916-1917

FIRST SEMESTER

	1916	
September 12	Tuesday	First semester begins with college assembly at 7:45 a. m.
November 29	Wednesday noon	Thanksgiving recess
through		
December 2	Sunday	
December 23	Saturday	Christmas recess
through		
January 1	Monday	
	1917	
January 27	Saturday	First semester examinations end
January 28	Sunday	Midyear recess
through		
January 30	Tuesday	

SECOND SEMESTER

January 31	Wednesday	Second semester begins with college assembly at 7:45 a. m.
February 22	Thursday	Washington's birthday: a holiday
April 6	Friday	Easter recess
to		
April 9	Monday noon	
April 11	Wednesday	Ratcliffe Hicks prize orations due to be submitted before noon
May 11	Friday	Ratcliffe Hicks prize oration contest
May 30	Wednesday	Memorial day: a holiday after noon
June 1	Friday	Ratcliffe Hicks prize declamation contest
June 2	Saturday	Senior examinations end
June 9	Saturday	Second semester examinations end
June 10	Sunday	Baccalaureate service
June 12	Tuesday	Commencement

September 18	Tuesday	First semester begins with college assembly at 7:45 a. m.

The Connecticut Agricultural College

HISTORICAL SKETCH

In January, 1881, the Connecticut General Assembly established the Storrs Agricultural School, an institution which had its beginning in the public spirit of Mr. Augustus Storrs and Mr. Charles Storrs, his brother, natives of the town of Mansfield, where the school was located. The object of the school, as stated in the act establishing it, was the "education of boys whose parents are citizens of this state in such branches of scientific knowledge as shall tend to increase their proficiency in the business of agriculture."

A period of growth and development followed, in which the name of the institution was changed to Storrs Agricultural College, and in which the board of trustees admitted young women, providing for them education in such branches of knowledge as tend to increase proficiency in the art of housekeeping and homemaking.

As a college, this institution fell heir to federal income, proceeds from the land-grant act of 1862 and the Morrill act of 1890; became responsible for half the agricultural experiment station work in this state, for which annual provision had been made by the Hatch act of 1887; and found itself under moral and legal obligations to maintain the standard and the scope of education appropriate to the land-grant colleges, one of which by the acceptance of the federal support it had become.

The name Storrs Agricultural College was believed to be misleading. It seemed to designate a private institution. Therefore, to make manifest to all who might see or hear its name that this is a state institution, maintained by, and designed and conducted for the benefit of all citizens, its name was subsequently changed by the General Assembly to Connecticut Agricultural College, the name it now bears.

SUPPORT OF THE COLLEGE

That the college is in fact a state institution has become somewhat better known. It yet remains to be discovered by most citizens that this is a national college as well, deriving the greater part of its income from federal sources.

From the state the trustees at present receive for the college proper $40,000, and for the Storrs Experiment Station $4,500 a year. From the national government it now has the following fixed annual income: Under the land-grant act of 1862, $6,750; under the Morrill and Nelson acts, $50,000; and under the Hatch and Adams acts, providing for agricultural experiment stations, $15,000. The use of the federal funds is limited to certain specified objects—none of the first two amounts and only a small percentage of the last can be used for the construction or repair of buildings or for the purchase of land.

The state is required to cooperate by providing a suitable home for the college. Accordingly from time to time special appropriations have been made for the purchase of land and the erection of buildings.

From the federal funds are paid practically all the salaries of the officers of instruction and administration. The annual income regularly received from the state is devoted to the support and improvement of the college plant as a whole.

SYSTEM OF CONTROL

The control of the institution is vested in a board of trustees consisting of ten members including the Governor, —six appointed by the Senate for periods of four years each, two elected by the alumni of the college for four years, and one elected annually by the Board of Agriculture. The Governor is ex officio president of the board. The trustees elect their own officers, with the exception of their president. They also elect the college officers.

The president of the college, subject to the direction of the trustees, is its executive officer. He has the immediate supervision of all departments, and direction of all matters pertaining to the welfare of the college. He has the power of outlining the duties of each member of the institution. He may delegate this power to the heads of departments. All are responsible to him, or to those appointed by him, for the faithful discharge of their duties. The president of the college, furthermore, is charged by the trustees with the duty of nominating for election by them, if approved, professors and instructors to fill vacancies in all departments, and, upon approval by the trustees, has the power of asking for the resignation of the same for the neglect or non-performance of duties assigned, or when in his judgment the best welfare of the college demands a change. Finally, the president of the college is expected to be present at all meetings of the board of trustees, except when requested otherwise by them, and has the privilege of participating in all discussions; and he is ex officio a member of all standing committees of the board of trustees.

The faculty of the college is made up of the officers of instruction. It holds meetings when called by the president, for the consideration of courses of study, cases of discipline, and such other matters as pertain to the internal well-being of the college. All business, or any communication of the faculty touching the college or its departments, which requires such action, is presented to the board of trustees by the president of the college; it being provided that if he refuses to place such business or communication before the trustees within reasonable time, those concerned have the power of petitioning direct to the board.

The board of trustees, as a body and through special committees of their own number, are thus able to keep themselves closely cognizant at all times of the affairs of the institution, and constitute a responsible and effective board of control.

POLICY

In accordance with the spirit of the law under which the institution was organized, the policy of the college is "without excluding other scientific and classical studies and including military tactics, to teach such branches of learning as are related to agriculture and the mechanic arts in order to promote the liberal and practical education of the industrial classes in the several pursuits and professions of life."

It is the theory of the college that theoretical knowledge and practical instruction should be developed along with and not at the expense of those studies that tend to the production of cultured, broad-minded men and women. The college course in agriculture provides, therefore, for vocational training in agronomy, dairying, horticulture, and poultry husbandry, supplemented by liberal instruction in English, history, economics, and the sciences of chemistry, botany, physics, zoology, and bacteriology.

There is no shorter cut to proficiency in vocational education than in other lines of educational effort, and the faculty strongly advise prospective students to secure a thorough preparation in the high schools of the state before making application to the college, and after enrolment to pursue one of the regular college courses.

The state thus far has made no provision for agricultural education other than the agricultural college. A school of agriculture, therefore, is provided for those who have not the scholastic preparation required for admission to the college, or who prefer the shorter course.

A school of home economics provides a two-year course for the training of young women in the science and art of household management.

Agricultural Extension—Agricultural extension is an activity that aims to extend directly to the farmer the results of scientific research and experiments. An extension department has been organized, and funds for an expansion of its work have been provided by both the federal government and the state.

BUILDINGS

Main Building—The main building, erected in 1890, is a two-story structure with basement, and contains a chapel, offices, mathematics class room, the library and reading room on the first floor, and on the second floor recitation rooms for

English, history, and natural history, a museum, guest rooms and infirmary. The basement is used by the mechanical department for wood working, pattern making, and machine work.

Horticulture Building—The horticulture building is a three-story structure built of brick with cement trimmings at a cost of $30,000. In the basement are rooms in which to show and operate spray apparatus, rooms for storage of fruit and vegetables, and for the preparation of vegetables for market. The first floor is planned for a class room to seat 50 students, a working laboratory, and the necessary offices. The second floor has a laboratory for drawing and microscopic work, a museum, and a botanical laboratory. On the third floor is large class room and a laboratory for physics.

Greenhouses—The greenhouses embrace a forcing house for vegetables, one for roses and carnations, a large house in which to grow to full size the various economic plants of warmer countries, a propagating house for bedding plants, a vinery, and a students' laboratory. Connected with the greenhouses is a full set of rooms to carry out greenhouse operations, besides living quarters for a florist.

Dairy Building—This is a well-appointed building, three stories high, constructed of stone and brick. The basement is occupied by the dairy department and is used for the instruction of both the regular college students in agriculture and the dairy and creamery short course students of the winter school. A room for stock judging is also on this floor. On the second floor are offices, bacteriology and soils laboratories, lecture rooms, museums, etc. The third floor is occupied by offices and by laboratories for bacteriology and agronomy. The building is equipped with boilers, engines, artificial refrigeration apparatus, steam heat, and gas.

Chemical Laboratory—A one-and-a-half-story frame building with basement, containing laboratories for qualitative and quantitative chemistry, class room, office for instructor, and laboratories used by the experiment station.

Experiment Station Office—A two-story frame building containing the offices of the director, the station library, and a mailing room.

Poultry Buildings—The poultry department is housed in a new four-story brick building 42x63 feet, which contains offices for the executive work of the department, class rooms, laboratories, incubator cellars, library and reading room, research laboratory, candling rooms, killing room, etc.

The poultry building is located approximately 1000 ft. north of the dairy building and close to the laying competition. The plant used for contest purposes includes fifty colony houses, each 12x12 ft., each house provided with a double yard 40x50 ft. The so-called old plant devoted chiefly to investigational work includes twenty-six colony houses, a larger laying house, outdoor brooders, colony brooders, brooder house, and numerous yards.

Farm Buildings—The farm barn, 41x70 feet, with new addition has feed storage capacity and accommodations for fifty head of dairy cattle. The horse barn, 40x80 feet, with new addition, is devoted to the housing of horses, vehicles, and feed. The additions to both of these barns recently made have largely increased their capacity. The additions are of hollow tile and cement construction. They were made upon an appropriation of $10,000 for each building. The farm has the use also of the barns upon the Jacobson place, now the property of the college.

Farm Machinery Building—A two-story brick building with cement floors and elevator was erected in 1915 for instruction in the operation and repairing of farm machinery.

Armory and Gymnasium—This is a brick and stone structure with slate roof and cement floors. One end is given over to a stage, dressing rooms, and band room. The other has a reception room, offices for the physical director and the commandant, and a faculty club room. The drill room and gymnasium has a floor 72 feet by 140 feet and a running track thirteen laps to the mile. In the basement are bowling alleys, shooting gallery, locker room and shower baths. Excavation has been made for a future swimming pool.

Dormitories, Storrs Hall—This is a semi-fireproof brick building with granite trimmings, erected in 1905 at a cost of $60,000. There are six single rooms and 30 suites of three rooms each, two bedrooms being connected with each of the thirty studies. It is steam-heated, equipped with shower and tub baths and dressing rooms with lockers, and is modern in all appointments. The dormitory is designed to accommodate 66 students.

Koons Hall—This building is practically a replica of Storrs Hall. Cement floors, however, have been used, and a few minor changes have been made in the interior arrangements and fittings. The appropriation for the building was $75,000.

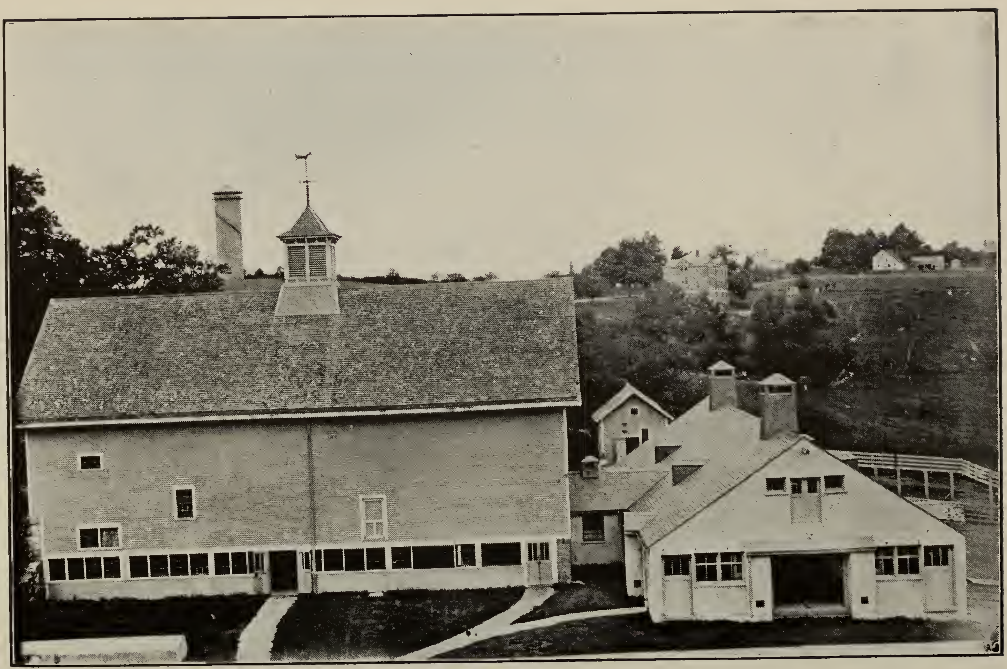
Grove Cottage—Grove Cottage, the home of the young women of the college, is a frame building, erected in 1895 at a cost of $12,000. There are rooms for 20 students, reception rooms, a sewing room for work in domestic science, and rooms for teachers on the first and second floors. A laboratory for instruction in cooking and one for instruction in laundering are located in the building.

The Dining Hall—The dining hall is a brick building with sandstone trimmings, in the form of a Maltese cross. The main part, 36x80 feet, is two stories with basement, and the two wings one story each with basement. The building contains a dining room with capacity for 200 students, kitchen, store rooms, steward's quarters, and rooms for help.

Dwelling Houses—There are on the college grounds eighteen dwelling houses, Whitney Hall with four apartments, and the Valentine house with three apartments, occupied by families of instructors and employees.

Water System—Water from a bored well 800 feet in depth is supplied to all buildings. An appropriation of $20,000 has recently been used to enlarge and improve the water system.

DAIRY BUILDING.



DAIRY BARNS.

Sewage System—The sewage from the dormitories and main building is purified on sand filter beds, eight in number, each 20 feet by 30 feet in size and 4 feet deep. The beds are used in rotation, so that each bed works one day and rests seven. The effluent is practically odorless and non-putrescible.

LABORATORIES AND EQUIPMENT

College Lands—The lands owned by the college contain about 874 acres. The tillage land is divided among the farm, horticultural department, and experiment station, and is manipulated in such a manner as to illustrate the principles and processes of both general and specialized agriculture, including crop rotation, vegetable production, and fruit growing. It is also used for the conduct of experiments. The campus and wooded reservations furnish good facilities for scientific and practical instruction in landscape gardening, floriculture, road making, and forestry.

Agronomy—A recent addition to the Dairy Building provides two large laboratories, and the necessary stock rooms. One is well equipped as a soils and the other as a field crops laboratory. The experiment station plots furnish excellent material for field studies.

Agricultural Engineering—The equipment is unusually good, including all of the standard tools and machines as well as engines.

Horticulture—The outdoor equipment of the horticultural department embraces a trial orchard of over 400 trees largely apple, peach, and plum. These are in full bearing and include many rare as well as new and standard sorts. There is also a commercial orchard of apple and peach of about 15 acres, in bearing. There is a dwarf apple orchard on both doucin and paradise stock of 500 trees and many varieties, partly as a test of kinds on those stocks and partly as a test of the value of these trees from the commercial side. The vineyard of 1½ acres includes all the standard varieties, others less common, and also a vinery of foreign grapes.

The vegetable gardens have growing in them all the ordinary products of the various seasons, to which are added many kinds very rare or peculiar, so that students may become familiar with them. In the small fruit plantation all kinds usual to this altitude are fruiting.

On the campus about the buildings are growing a great variety of ornamental trees and shrubs, all now old enough to show their value for the purpose for which they were planted, also numerous kinds of herbaceous perennials, besides an extensive display of bedding plants in their season.

Dairy Husbandry—The dairy laboratory and college creamery occupies the basement of the dairy building. Equipment is provided for the manufacturing of butter, both by power and hand churns. Vats for ripening cream are provided. All the necessary equipment is present for instruction and experimental work in farm separators, testing dairy products, ice cream making, market milk production, and hard and soft cheese making. A complete refrigeration plant is a part of the creamery equipment, and two steam engines and a forty-horse power boiler are available for inspection and study by the students.

The dairy herd consists of representatives of the Jersey, Ayrshire, Holstein, and Guernsey breeds, many of them holding state records, which gives abundant material for training in selection, care, feeding, and management of the herd. Animals to represent the various points in dairy judging, including dairy bulls of each breed, are available for class work. Complete herd books and advanced registry records are available for pedigree work and for gaining a more complete knowledge of the history and dairy characteristics of the leading breeds.

Poultry Husbandry—The experimental poultry plant is stocked with several hundred fowls of different breeds and varieties including guineas, ducks and pigeons. There are available for students' use hoppers, automatic feeders, different styles of trapnests, and other poultry appliances.

Animal Husbandry—Live stock is used to illustrate the forms, types, and breeds of farm animals. The dairy herd contains pure bred animals of the four leading dairy breeds: Jersey, Guernsey, Ayrshire and Holstein. A flock of Shropshire sheep, Berkshire and Cheshire swine, two pairs of Devon oxen, a carload of Herefords, Shorthorns, and Angus heifers, a French coach stallion and mare, a pair of mules, with work teams and road horses, are used to illustrate the types and breeds of farm animals and for stock judging. Herd books are at hand and provide material for practice in tracing pedigrees and for the study of the leading strains and families of the different breeds of live stock.

The veterinary class room contains skeletons of the ox and the horse, a horsikin in papier-mache, and other models and specimens for illustrating lectures in anatomy and veterinary medicine.

Home Economics Department—The cooking laboraotry is in Grove Cottage. It is fitted with hot and cold water, and blue-flame oil stoves are used. The portable equipment, in the shape of desks, cupboards and utensils, is in every way complete and modern. Sewing Rooms—Two rooms are devoted to this part of the work. Small tables for hand sewing are provided for one room. In the second room are large tables for drafting and cutting, sewing machines, lockers, etc.

The Machine Shop, located in the basement of the main building, is equipped with a twelve horse-power gasoline engine, one iron shaper, two drill presses, three metal-turning lathes, one speed lathe, seven wood-turning lathes, one wood planer, one emery grinder, one hand trimmer, one band-saw, one combination saw-bench, and ten benches equipped with hand tools for pattern making.

The Woodworking Shop is equipped with benches and hand tools for the accommodation of twenty-five students.

Forging—Ten forges with anvils and necessary tools are installed in a leased shop near the campus.

Mechanical Drawing—A room in Whitney Hall is equipped with desks, drafting boards, and designs for instruction in mechanical drawing.

Surveying—The equipment consists of transits, levels, compasses, a plane-table, and a full assortment of smaller instruments and accessories for instruction in surveying.

Chemistry—The main laboratory, which is used by classes in elementary and qualitative chemistry, contains desks, lockers, and ample individual equipment for seventy-two students. Besides this individual equipment the laboratory is provided with a very full line of chemicals and with balances, draft hoods, electricity, gas, and many other modern laboratory conveniences.

The quantitative laboratory contains besides the usual desks and individual equipment every convenience for carrying on the work in quantitative analysis and agricultural chemistry. On the same floor and within easy access of the student is a chemical library which contains very many valuable chemical books and current journals and periodicals.

Physics—The physics department occupies two well-lighted rooms on the third floor of the horticultural building. The laboratory is fitted up with large working tables and a full equipment of new physical apparatus necessary for a complete laboratory study of the elements of mechanics, heat, light, sound, and electricity. The physics lecture room directly off the laboratory contains a large lecture table and many costly pieces of apparatus used for demonstration purposes.

Botany—The botanical department is provided with 30 compound microscopes and has dissecting microscopes, tables, and general laboratory equipment for sections of 30 students. An autoclave, an incubating and a dry sterilizing oven, and a Jung Thoma microtone are used in the advanced courses. The botanical museum is furnished with a set of Hough's wood sections, a series of tree trunks cut to show the three sections, a set of Riker mounts showing tree specimens in summer and winter condition, cases with alcoholic specimens, an herbarium with a good working collection of the local flora of Connecticut, and a small departmental library.

Agricultural Botanic Garden—This comprises at present one acre of land and is designed to serve as a field museum of agriculture. The largest section is given over to a systematic arrangement according to families of the most important economic plants. Thus among the legumes there are shown growing in separate plots the various clovers, vetches, alfalfas, beans, peas, etc., as well as some of the more common wild leguminous plants. A section is devoted to plots illustrating laws of variation and inheritance, and a considerable portion is set aside as an experimental garden for the study of various problems in plant genetics.

The botanic garden is used for demonstration purposes and as a supply of material for class work.

Forestry—The wood lots belonging to the college comprising about 200 acres, together with the plantation of locusts, red and white pine, give an excellent opportunity for field work in forestry. The department is equipped with the necessary instruments for forest survey and mensuration.

Bacteriology—The teaching and research laboratories for bacteriology are located on the second and third floors of the dairy building. Both laboratories are equipped with hot and cold water, gas, steam, refrigeration, sterilizers, incubators, balances, microscopes, and other apparatus for instruction and investigation.

Zoology—Students have abundant opportunity to see and study the different types of animals, both the invertebrate and the vertebrate forms. The museum contains types of all the important classes of animals, and the laboratory is well provided with compound and dissecting microscopes, together with aquaria and breeding cages for the dissection and study of such animals as are generally used in courses of zoology. The specimens used for dissection are procured in the vicinity of the college and from Wood's Holl, Mass.

Entomology—The collections of insects include those of greatest economic importance, together with large numbers of the common insects found in Connecticut. The college provides the material for the dissection of the types of insects used in the study of entomology and a case in which a collection made by the students during the spring of the sophomore year and the fall of the junior year may be kept throughout that period. The library is well supplied with books on entomology, together with the bulletins from the different experiment stations and the Department of Agriculture at Washington. These are used for reference work in the courses of entomology.

Museum—The museum contains type specimens of all the important classes of animals from the protozoa to the vertebrata, the number varying according to the importance of the different classes of animals. The collection of gastropods is relatively large in number, while the most valuable portion of the museum is a collection of well-mounted birds. In addition to the collection of animals the museum contains numerous rocks, minerals, and fossil-bearing rocks, together with Indian implements.

Library—The college has an excellent library of above 13,000 books and 1,000 pamphlets, carefully indexed and classified. In the library, in addition to standard reference books on scientific and general subjects, and besides the works of the leading authors in the field of English and American literature, there is a reading room provided with the current magazines and a good assortment of daily and weekly newspapers of national and local interest. This is open during term time at convenient hours, except Saturday, when it is closed during the afternoon, and Sunday, when it is open only part of the day.

Gilbert Farm—From the estate of the Late Edwin Gilbert of Georgetown, Connecticut, the college received the generous

gift of a large farm, with all the live-stock and equipment on it, and an endowment fund of $60,000. The execution of the conditions of the bequest will by degrees, it is expected, introduce into the southwestern portion of the state the methods of tillage, animal husbandry, and fruit growing approved and practiced by the college.

Summary—Inventories of the college lands, buildings, and equipment at Storrs show values of approximately $800,000.

STORRS AGRICULTURAL EXPERIMENT STATION

The Storrs Agricultural Experiment Station was established by act of Congress approved March 2, 1887, and accepted by resolution of the General Assembly, May 18, 1887. By order of the trustees it is a department of the agricultural college.

The purpose of the experiment station is the promotion of agricultural science by investigation and research, and by making experiments whose results may render practical and efficient aid to the farmers of the state in the pursuit of their calling.

The principal work conducted by the Connecticut Storrs Station has been along the lines of food and nutrition of man and animals, bacteriology of soils and dairy products, field experiments, fertilizers, soil tests, cover crops, nitrogen experiments, horticulture, and poultry and dairy husbandry.

The income of the station for the present year is $4,500 from the state treasury, and from federal sources $7,500 from the Hatch fund and $7,500 from the Adams fund.

As authorized by law, the station issues a biennial report and frequent bulletins. The latter are now printed in editions of ten to fifteen thousand. These reports and bulletins are free to all residents of the state upon application, and to others so far as the supply will allow.

Six members of the station staff devote their time to both experimental work and teaching, four members devoting their entire time to investigations.

MILITARY SCIENCE

The military instruction is under the charge of an officer of the United States army. The aim of the department is to qualify young men for positions as commissioned officers of volunteer forces. Additional advantage of military drill is evidenced in the acquirement of a dignified carriage of person, habits of neatness, order, and punctuality, and amenability to discipline. A full complement of United States magazine rifles, accoutrements, and ammunition is furnished by the federal government. A large pit of earth and masonry is provided with drop targets. With flags, drums, and bugles the college has complete facilities for military drill and target practice.

Every male undergraduate student, able to perform military duty and not excused for sufficient cause, is required to drill. The instruction is not optional with the student or faculty, but is prescribed by the act of Congress under which the college receives federal support.

SITUATION AND MEANS OF ACCESS

Location—The Connecticut Agricultural College is located at Storrs, in the town of Mansfield, Tolland County. It is somewhat more than six hundred feet above sea level, and in the midst of the pleasant scenery and healthful surroundings for which this part of the state is known. Aside from the college, Storrs consists of but a few scattered homes. The community, consequently, centers in the college—the whole being a little world by itself, and remarkably free from those things which at many places are wont to distract the attention of students and to dissipate their energies to no good educational purpose.

Railway Stations—Storrs is three miles east of Eagleville, on the Central Vermont Railroad, and eight miles north of Willimantic, a railroad center. Between the Willimantic station and Storrs an auto 'bus makes two regular trips daily, with a fare of fifty cents, leaving Willimantic after arrival of trains at 10 a. m. and 6 p. m. The charge for carrying a trunk is fifty cents. Practically all travel to the college is by way of Willimantic.

Telephone, Telegraph, and Post Office—Communication with the college may be had by telephone through the Willimantic exchange, or by telegraph, the telegram being addressed to Willimantic. A post office is conducted at the college, and mail should be addressed to Storrs, Conn. There are two mails a day.

STUDENT ACTIVITIES

Athletics—The students maintain an athletic association which supports teams in football, baseball, and track athletics. The dues of the athletic association are at present ten dollars a year. The revenue from dues is administered by an athletic council containing representatives of the faculty.

The Campus—A college paper is edited and published by the students. It is an exponent of college life, reflecting the feelings, interests, abilities, and progress of the students.

Societies and Clubs—There are a number of literary and social clubs, open by election to male students of the college, and a similar organization is supported by the young women. An agricultural club, a glee club, and a dramatic club are maintained by the students, and also a students' organization for the transaction of business pertaining to the student body as a whole.

STUDENT EXPENSES

Fees—The college gives free tuition to students whose parents are legally residents of Connecticut. Students from outside the state are charged a tuition fee of $30 a semester (the college year being divided into two semesters of eighteen weeks each). All students will pay a fee of $50 a semester to cover registration, heat, light, breakage, laboratory fees, room rent, etc. This fee to day students will be $25. **All fees must be paid before registration at the beginning of each semester.**

Board—Table Board is furnished on the following plan: A minimum charge, based upon cost, is made for the mid-day meal and for bread, butter, milk, vegetables, cake, sauce, service, etc., at breakfast and supper. At the latter meals, meat, eggs, fish, fruit, and dessert are served a la carte. For such orders coupon books are used. These are sold for cash only at $5 each, and are not transferable. The average cost of board has been about $4.20 a week. No reduction is allowed for less than one week's continuous absence, and then only when notice is given in advance to the steward. Students are not allowed to board themselves in the dormitories.

Lodgings—The furniture in the dormitories consists of a three-quarter or single bed, mattress, table, bureau, and chairs for each student. The occupants provide their own pillows and bed clothing, and, if they choose to do so, may bring such furnishings as pictures, rugs, and curtains. The dormitories are lighted by electricity. Students are held responsible for their apartments, and any damage to property is chargeable to the occupants of the room. Room keys are furnished each student. A charge of $1 is made for each key not returned.

Breakage—All breakage of tools and apparatus and damage to college property is chargeable to the students at fault.

Military Uniforms—A complete military uniform, including cap, coat, trousers, shirt, and gloves, is furnished at a cost of about $17. This uniform must be worn at drill, inspection, and ceremonies. The suit is neat and serviceable and can be worn on any occasion. Measures are taken at the college, and orders are filled by some approved maker who has been selected and who furnishes the suit at a considerable reduction from the usual retail rates.

Books—The college furnishes text-books, stationery, drawing instruments, and supplies, at cost.

Laundry—A laundryman collects twice a week, and gives special rates to students.

Music—A charge of 50 cents a lesson is made for private instruction in music.

Payment of Bills—Cash must be paid for military uniforms, books, laundry work, and miscellaneous supplies. Payment for table board will be required semi-monthly in advance. Registrations will not be accepted at the beginning of either semester until all accounts for the preceding semester have been paid.

EMPLOYMENT AND SCHOLARSHIPS

A student may work at paid manual labor, if **his general conduct is good and he maintains a good standing in his studies, provided there is such labor to be performed.** Students who desire to work at paid labor should make application to the various officers of the institution in whose departments they are interested. Compensation varies from 10 to 15 cents an hour, according to the value of the work done.

It should be noted that, while it is the policy of the college so far as possible to employ students for routine labor, a student should not expect to pay all expenses by this means. **The student's time is needed first of all for his studies.** Those who depend for the most part upon their own earnings must expect to forego the sports and leisure in which others may more often indulge.

Occasionally a young woman finds work in some family of the neighborhood by which she is able to earn her board.

Expenditures for board, books, laundry, and semester fees average about $300 a year. A few economical and industrious students have paid a considerable part of their expenses by their own efforts, working about the college farm, campus, and buildings; but the college does not guarantee to furnish any student work to enable him to do this.

Louden Loan Fund—The sum of $200, the gift of Elizabeth Valentine Louden, is available for the assistance of worthy students to enable them to finish their courses in college. Applications for loans must be made in writing, addressed to the president of the college.

Grange Scholarships—Students at the college who are members of the grange may borrow not to exceed $100 per year from the State Grange of Connecticut at the discretion of the Executive Committee of the State Grange. Borrowers will give their notes, which must be endorsed by two holders of unincumbered real estate, and will pay two per cent. interest. Applications for these loans should be made in writing to Professor C. A. Wheeler, Storrs, Ct. About one thousand dollars is available.

Scholarships in Home Economics—Eight scholarships equal in amount to the semester fees are offered to first year students in the college course in home economics.

PRIZES AND HONORS

Ratcliffe Hicks Prizes for Orations—Five seniors in regular standing will be appointed upon recommendation of the instructor in junior English to compete for two prizes of $20 and $15 respectively. Their orations must occupy not less than ten minutes in delivery and not more than fifteen minutes, must be the students' unassisted work, and must be approved by the instructor who made the appointment. Orations must be type-written and handed to the secretary of the faculty by noon on the second Wednesday in April. The contest will be held on the second Friday evening in May, and the prizes will be awarded by a committee of judges, who will pass upon both composition and delivery, equal weight being given to each.

Ratcliffe Hicks Prizes for Declamation—A contest open to all regular juniors and sophomores, with two prizes of $15 and $10 respectively. Three speakers from each class will be appointed on recommendation of the instructor in public speaking and will take part in a contest held on the Friday evening before the final examinations of the year. The contestants may be coached by the instructor in public speaking. A student winning first prize will not be eligible to compete again.

Cadet Appointments and Awards—The officers of the college military company are appointed and promoted according to their proficiency in military science and drill, their soldierly bearing, and their good conduct.

The highest officers, in recognition of their efficient work, receive at the end of a year of successful service the following prizes: Major, $25; three captains, $25 each; five first lieutenants, $20 each; chief musician, $20; three second lieutenants, $15 each; three first sergeants, $10 each. No officer reduced to the ranks for breach of discipline is awarded either the whole or any portion of one of these prizes. Eight inspectors in the dormitories are paid $3 a month for their services.

SCHOLARSHIP HONORS

The names of students who have attained an average grade of A or B will be published each year in the catalog.

SYSTEM OF GRADING

Grades are reported by the secretary of the faculty as soon as possible after the completion of the work of each semester, and the following letters are used for this purpose: A, meaning **excellent**; B, meaning **good**; C, meaning **fair**; D, meaning **a bare passing grade**; E, meaning **a failure** and, therefore, a **condition** in the subject indicated.

ADVISERS

The members of the status committee will act as advisers to students in matters relating to scholarship and choice of courses of study. Instructors are expected to report delinquent students through the president to the proper adviser, who will investigate each case and submit to the faculty his recommendations.

SCHOLARSHIP REGULATIONS

Students must carry minimum schedules of 15 units a week (1 hour of laboratory work or drill=½ unit). They must pass in military drill and in 50 per cent of their other work for each semester or withdraw from college. A semester mark of 85 per cent. in any subject will in general excuse a student from examination in that subject. The allowance of absences from any course except military drill will equal each semester the number of units a week in the course. This allowance is expected to cover all minor ailments and occasional absences on leave. For further absences without acceptable excuse penalties are provided.

FARM EXPERIENCE

Beginning with the class entering the college course in agriculture in 1915, three months of actual farm experience will be required for graduation.

CONDUCT OF STUDENTS

The aim of the faculty is to influence students to cultivate habits of application, self-control, truthfulness, a high sense of honor, and an interest in maintaining the moral welfare of the institution. A students' organization, a faculty discipline committee, and a student advisory committee are instrumental in maintaining such conduct as seems desirable in an educational institution. A copy of the rules in force will be furnished students on enrolment, and each student will be expected to read them carefully and obey them implicitly.

PUBLIC LECTURES

There are occasional lectures and other public exercises during the year. Department lectures by dairy, poultry, and horticultural experts from abroad supplement the regular instruction of the class room with the experiences of practical life. Farmers' institutes and field meetings are held occasionally at the college.

RELIGIOUS EXERCISES

Students who choose to do so attend the services of a Congregational church, which has assigned seats for their use. This is the church attended by most of the college faculty. There are churches of other denominations in neighboring villages.

COLLEGE ASSEMBLY

Attendance at College Assembly is required of all students whose parents or guardians do not present writeen requests to the contrary based upon objections to the form of the religious exercises.

Admission Requirements

All applicants for admission must be at least sixteen years of age, and must pledge that if admitted they will comply in good faith with the rules and administrative regulations of the college. Satisfactory letters of dismissal will be required of applicants who have been in attendance at other colleges.

B. S. Course in Agriculture—Admission to this course will be granted to those who present certificates showing graduation from any four-year secondary school.

B. S. Course in Home Economics—Same requirements.

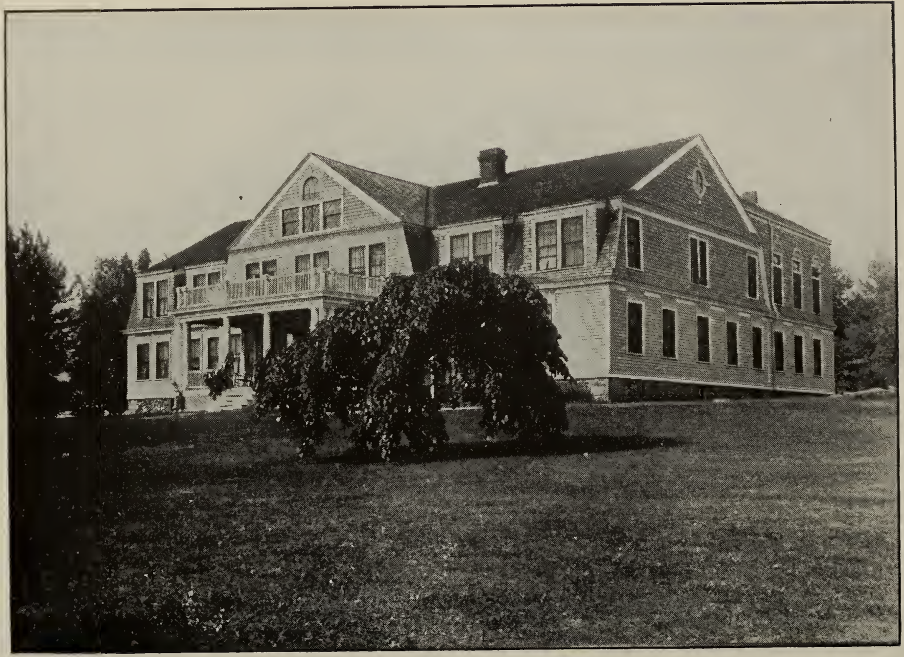
B. S. Course in Mechanic Arts—Same requirements.

School of Agriculture and School of Home Economics—Admission to these courses will be granted to those who present credentials showing the completion of eighth-grade work in the elementary schools.

Special Students—Students who are not candidates for graduation may be admitted to the college courses as special students, provided they can meet the regular entrance requirements, or are graduates of the School of Agriculture or Home Economics, or are twenty-one years of age and can present satisfactory evidence that they are fully qualified to pursue successfully the work desired. No special students are accepted in the School of Agriculture or School of Home Economics.

A special student must submit for approval a schedule for the entire year which can be taken without any conflicts and for which he has the prerequisites. Such schedules must include at least fifteen units of work a week, of which at least ten must be lectures or recitations. Special students will not be ranked officially with any class, but will be held to the same requirements and regulations as are regular students, including military drill. In view of the difficulty of arranging special schedules, students are strongly urged to follow one of the regular courses.

POULTRY BUILDING.



GROVE COTTAGE, WOMEN'S DORMITORY.

Directions to Prospective Students

Those expecting to become students in the college should carefully examine this catalog, especially the sections found under the headings **Expenses, Deposits, and Admission Requirements.** In addition, the following directions may be found serviceable and should be observed.

1. Write for the formal application blank, answer the questions it contains, and mail it to the president.

2. Make application at your earliest convenience in order to facilitate dining-room and dormitory arrangements.

3. Check trunks and express matter to Willimantic. Send freight to Eagleville. Tag with your name and destination all trunks, bags, or boxes.

4. Send notice in advance, indicating the day of your arrival.

5. Upon arriving at the college, call at the office of the treasurer to make your deposit, pay the required fees, and secure a registration card and a room key.

6. Examine the college bulletin board for schedules of classes and other important notices.

Courses of Study

The liberal, scientific, and practical education provided by the Connecticut Agricultural College is indicated in the schedules and detailed descriptions of courses that will be found upon the pages following.

I. **College Course in Agriculture**—A four-year course designed primarily for the training of young men as farmers, teachers, investigators, and agricultural experts. The course embraces: (1) the sciences that bear directly upon agriculture—botany, chemistry, geology, zoology, veterinary science, physics, entomology, and bacteriology; (2) cultural and mental discipline studies, such as mathematics, English composition and literature, German or French, history, and economics; and (3) technical studies, including agronomy, dairy and poultry husbandry, and horticulture. The schedule of the junior and senior years is arranged to allow a choice between horticulture, dairy husbandry, poultry husbandry, and science, with other electives.

II. **College Course in Home Economics**—This course is planned to give work of college grade in the sciences and a preparation in their subject matter for future use in teaching, etc. See special bulletin for details.

III. **College Course in Mechanic Arts**—A four-year course designed to give instruction in drafting, shop work and mechanical engineering. The schedule includes: (1) mathematics, chemistry, and physics; (2) German or French, English, and history; and (3) woodworking, wood turning, pattern making, forging, shop work, mechanical drawing, and theoretical courses in mechanics and mechanical engineering.

IV. School of Agriculture—A two-year course designed for the training of young men for the profession of farming. The schedule includes: (1) elementary instruction in the sciences of chemistry, physics, botany, and entomology; (2) English, public speaking, history, and civics; and (3) vocational studies including agronomy, dairy and poultry husbandry, and horticulture.

V. School of Home Economics—A two-year course designed for the training of young women in the science and art of household management. The schedule includes: (1) elementary instruction in chemistry, physics, and botany; (2) English, public speaking, history, and civics; and (3) vocational instruction in sewing, dressmaking, cookery, household hygiene and management, laundering, waitress work, invalid diet and emergencies and home nursing.

Outlines of College Courses

COURSE IN AGRICULTURE

FRESHMAN YEAR

First Semester

		Hours per week
Mathematics 1	Advanced Algebra	3
English 1	Composition	3
Chemistry 1	Inorganic Chemistry	2 (4)
Botany 1	General Botany	3 (4)
Poultry Husbandry 1	Poultry Culture	2 (2)
Physical Education 1	Gymnasium	(2)
Drill		(3)
		13 (15)
		(20½ credit hours)

Second Semester

Mathematics 1	Trigonometry	3
English 1	Composition	3
Chemistry 1	Inorganic and Qualitative Analysis	2 (4)
Zoology 1 (Natural History)	General Zoology	3 (4)
Dairy Husbandry 1	General Dairying	2 (3)
Physical Education	Gymnasium	(2)
Drill		(3)
		13 (16)
		(21 credit hours)

Note—Descriptions of courses will be found immediately following the outlines. They are arranged alphabetically. Numbers in parentheses refer to laboratory hours.

SOPHOMORE YEAR

First Semester

		Hours per week
*French 1 or German 1	Elementary	
or		
†French 2 or German 2	Advanced	4
Physics 1	Mechanics, Heat and Electricity	2 (2)
Geology 1	Dynamic and Historical Geology	3
Horticulture 1	Principles of Horticulture	4 (3)
‡Entomology 1	Economic Entomology	3 (2)
Physical Education 2	Gymnasium	(1)
Drill		(3)
		16(11)
		(21½ credit hours)

Second Semester

*French 1 or German 1	Elementary	
or		
†French 2 or German 2	Advanced	4
**Chemistry 2	Organic	3 (3)
Bacteriology 1	General Bacteriology	2 (4)
Agronomy 1	Soils	4 (3)
Military Science 1	Drill Regulations	1
Physical Education 2	Gynasium	(1)
Drill		(3)
		14 (14)
		(21 credit hours)

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*May be taken by those who have not had the language.

†May be taken by those who have had two years or more of the language. Students who have had one year of either language may elect Course 1 or Course 2 in that subject according to the advice of the instructor.

‡For 1916-17 substitute Zoology 1.

**For 1916-17 substitute Dairy Husbandry 1.

JUNIOR YEAR

FIRST SEMESTER

		Hours per week
Genetics 1	Principles of Heredity	2 (2)
Agronomy 2	Field Crops	3 (2)
Entomology 1 (For 1916-18)	Economic Entomology	3 (2)
Public Speaking 1		2
Drill		(3)
		10 (9)

And one of the following groups

HORTICULTURE

Horticulture 2	Systematic Pomology	2 (3)
Horticulture 3	Plant Diseases	2
		14(12)
		(20 credit hours)

DAIRY HUSBANDRY

Dairy Husbandry 2	Animal Nutrition	3
Dairy Husbandry 3	City Milk Supply	2 (2)
		15(11)
		(20½ credit hours)

POULTRY HUSBANDRY

Poultry Husbandry 2	Poultry Culture	2 (3)
Electives		2
		14(12)
		(20 credit hours)

SCIENCE

Bacteriology 2	Advanced Bacteriology	(6)
Botany 2	Advanced Botany	(6)
		10(21)
		(20½ credit hours)

SECOND SEMESTER

		Hours per week
English 2	English Literature	3
Animal Husbandry 1	Types and Breeds	3 (2)
Agronomy 3	Agricultural Engineering	2 (2)
Chemistry 2 (For 1916-18)	Organic Chemistry	3 (3)
Drill		(3)
		11(10)

And one of the following groups

HORTICULTURE

Horticulture 4	Greenhouse Management	2 (3)
Horticulture 5	Horticultural Practice	(3)
		13(16)
		(21 credit hours)

DAIRY HUSBANDRY

Dairy Husbandry 5	Milk Production	3
Electives		1
		15(10)
		(20 credit hours)

POULTRY HUSBANDRY

Poultry Husbandry 3	Poultry Culture	2 (3)
Poultry Husbandry 7	Seminar	2
		15(13)
		(21½ credit hours)

SCIENCE

Bacteriology 2	Advanced Bacteriology	(6)
Botany 2	Advanced Botany	(6)
		10(22)
		(21 credit hours)

SENIOR YEAR

First Semester

Economics 1	General Economics	3
History 1	European History	3
Drill		(3)
		6 (3)

And one of the following groups

Horticulture

Horticulture 6	Commercial Horticulture	2 (3)
Horticulture 7	Botanic Horticulture	2
Electives		7
		17 (6)
		(20 credit hours)

Dairy Husbandry

Dairy Husbandry 8	Seminar	1
Veterinary Science 1	Animal Diseases	2
Electives		10
		19 (3)
		(20½ credit hours)

Poultry Husbandry

Poultry Husbandry 4	Commercial Poultry Keeping	2 (3)
Electives		9
		17 (6)
		(20 credit hours)

Science

Zoology 2	Advanced Zoology	(6)
Chemistry 3	Agricultural Analysis	(6)
Electives		7
		13 (15)
		(20½ credit hours)

SECOND SEMESTER

		Hours per week
Economics 1	General Economics	3
History 1	Political History of the United States	3
Drill		(3)
		6 (3)

And one of the following groups

HORTICULTURE

Horticulture 8	Landscape Gardening	2 (3)
Horticulture 9	Plant Breeding	2 (2)
Electives		6
		16 (8)

(20 credit hours)

DAIRY HUSBANDRY

Dairy Husbandry 8	Seminar	1
Electives		12
		19 (3)

(20½ credit hours)

POULTRY HUSBANDRY

Poultry Husbandry 7	Seminar	2
Electives		11
		19 (3)

(20½ credit hours)

SCIENCE

Zoology 2	Advanced Zoology	(6)
Chemistry 3	Agricultural Analysis	(6)
Electives		7
		13 (15)

(20½ credit hours)

COURSE IN MECHANICAL ENGINEERING

FRESHMAN YEAR

First Semester

		Hours per week
*French 1 or German 1	Elementary	4
Mathematics 1	Algebra, Trigonometry	3
English 1	Composition	3
Chemistry 1	Inorganic	2 (4)
Mechanic Arts 3	Mechanical Drawing	(3)
Mechanic Arts 1	Carpentry	(3)
Physical Education 1	Gymnasium	(2)
Drill		(3)
		12(15)
		(19½ credit hours)

Second Semester

*French 1 or German 1	Elementary	4
Mathematics 1	Trigonometry and Solid Geometry	3
English 1	Composition	3
Chemistry 1	Inorganic and Qualitative	2 (4)
Mechanic Arts 3	Mechanical Drawing	(2)
Mechanic Arts 2	Wood Turning	(3)
Physical Education 1	Cymnasium	(2)
Drill		(3)
		12(14)
		(19 credit hours)

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*Students who have had one language will take the other. Those who have had both languages may review either.

SOPHOMORE YEAR

First Semester

		Hours per week	
French 2 or German 2	Advanced	4	
Mathematics 2	Analytical Geometry	4	
Physics 1	Mechanics and Heat	2	(2)
Mechanic Arts 5	Descriptive Geometry	1	(2)
Mechanic Arts 4	Pattern Making and Foundry		(4)
Physical Education 2	Gymnasium		(1)
Drill			(3)
		11	(12)

(17 credit hours)

Second Semester

French 2 or German 2	Advanced	4	
Chemistry 2	Organic	3	(3)
Physics 2	Light and Electricity	3	(2)
Mechanic Arts 6	Machine Joinery		(4)
Mechanic Arts 7	Machine Drawing		(3)
Military Science		1	
Physical Education 2	Gymnasium		(1)
Drill			(3)
		11	(16)

(19 credit hours)

JUNIOR YEAR

First Semester

Mathematics 3	Differential Calculus	4	
Mechanic Arts 11	Direct Currents	3	
Mechanic Arts 8	Machine Elements		(3)
Mechanic Arts 9	Machine Shop		(3)
Mechanic Arts 10	Gas Engines	2	(2)
Mathematics 5	Surveying	1	(3)
Public Speaking 1	Public Speaking	2	
Drill			(3)
		12	(14)

(19 credit hours)

Second Semester

Mathematics 4	Integral Calculus	4	
English 2	English Literature	3	
Mechanic Arts 12	Alternating Currents	3	
Mechanic Arts 13	Auto Mechanics	1	(2)
Mechanic Arts 9	Machine Shop		(3)
Mechanic Arts 14	Forging		(3)
Mechanic Arts 15	Applied Mechanics	3	
Drill			(3)
		14	(11)

(19½ credit hours)

SENIOR YEAR

First Semester

History 1	European History	3	
Economics 1	General Economics	3	
Mechanic Arts 16	Power Plants	3	(2)
Mechanic Arts 18	Thermodynamics	2	
Mechanic Arts 17	Hydraulics	2	(2)
Chemistry 3	Quantitative Analysis		(6)
Drill			(3)
		13	(13)

(20½ credit hours)

Second Semester

History 1	Political History of U. S.	3	
Economics 1	General Economics	3	
Mechanic Arts 16	Power Plants	3	(2)
Mechanic Arts 19	Materials of Engineering	2	(2)
Mechanic Arts 20	Engineering Seminar	2	
Chemistry 3	Quantitative Analysis		(6)
Drill			(3)
		13	(13)

(20½ credit hours)

COURSE IN HOME ECONOMICS

FRESHMAN YEAR

First Semester

		Hours per week
English 1	Composition	3
Chemistry 1	Inorganic Chemistry	2 (4)
Botany 1	General Botany	3 (4)
Poultry Husbandry 1	Poultry Culture	2 (2)
Home Economics 1	Cooking	1 (2)
Home Economics 15	Sewing	1 (2)
Physical Education 3	Gymnasium	(2)
		12(16)
		(20 credit hours)

Second Semester

English 1	Composition	3
Chemistry 1	Inorganic and Qualitative Analysis	2 (4)
Zoology 1	General Zoology	3 (4)
Dairy Husbandry 1	General Dairying	2 (3)
Home Economics 2	Cooking	1 (2)
Home Economics 16	Sewing	1 (2)
Physical Education 3	Gymnasium	(2)
		12(17)
		(20½ credit hours)

SOPHOMORE YEAR

FIRST SEMESTER

		Hours per week
*French 1 or German 1	Elementary	
or		
*French 2 or German 2	Advanced	4
Physics 1	Mechanics and Heat	2 (2)
Home Economics 23	Industrial History	3
Horticulture 1	Principles of Horticulture	4 (3)
Home Economics 3	Cooking	1 (3)
Home Economics 17	Dressmaking	1 (3)
Physical Education 3	Gymnasium	(2)
		15(13)
		(21½ credit hours)

SECOND SEMESTER

*French 1 or German 1	Elementary	
or		
*French 2 or German 2	Advanced	4
Bacteriology 1	General Bacteriology	2 (4)
†Chemistry 2	Organic	3 (3)
Agronomy 1	Soils	4 (3)
Home Economics 4	Cooking	1 (2)
Home Economics 18	Dressmaking	1 (2)
Physical Education 3	Gymnasium	(2)
		15(16)
		(23 credit hours)

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*See note at bottom of page 37.

†Substitute Dairy Husbandry 1 for 1916-1917.

JUNIOR YEAR

FIRST SEMESTER

		Hours per week
Genetics 1	Principles of Heredity	2 (2)
Public Speaking 1	Public Speaking	2
Home Economics 7	Household Management	1 (2)
Home conomics 19	Textiles and Dressmaking	2 (3)
Education 1	Philosophy of Education	3
Chemistry 4	Household Chemistry	2 (6)
		12 (13)
		(19½ credit hours)

SECOND SEMESTER

English 2	English Literature	3
Chemistry 4	Household Chemistry	2 (6)
Education 3	Principles of Teaching	3
Home Economics 8	Household Management	2 (2)
Home Economics 20	Design and Millinery	(2)
Home Economics 6	Nutrition	2 (2)
Horticulture 104	Home Gardening	1 (2)
		13(14)
		(20 credit hours)

SENIOR YEAR

FIRST SEMESTER

History 1	European History	3
Economics 1	General Economics	3
Home Economics 21	Design	(2)
Home Economics 13	Teaching Home Economics	2 (4)
Bacteriology 2	Advanced Bacteriology	(6)
Electives		6
		14(12)
		(20 credit hours)

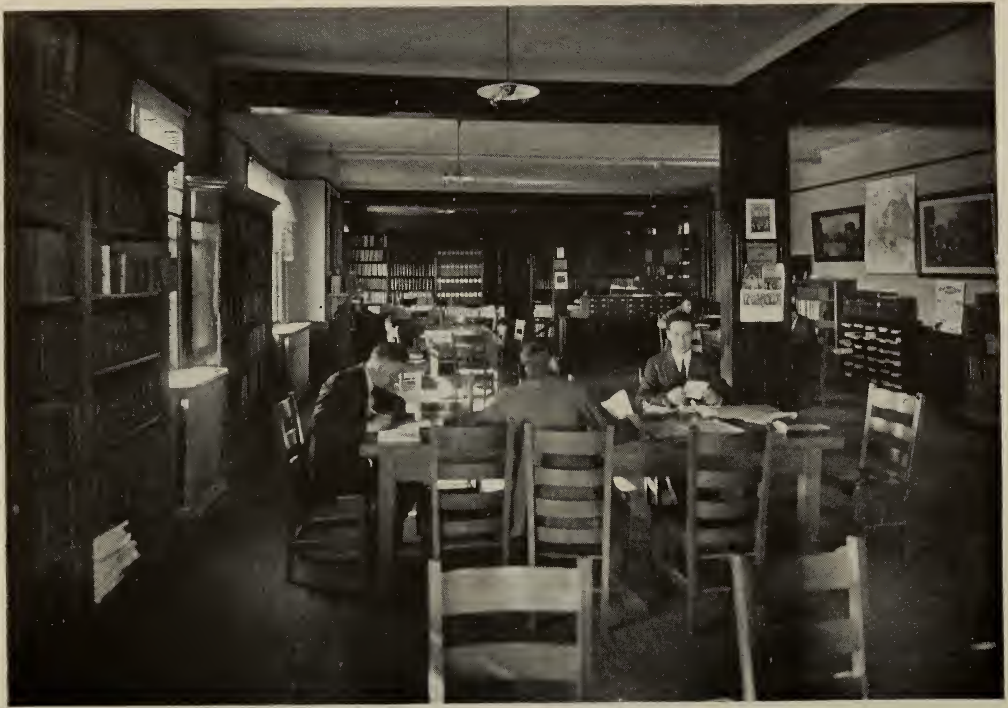
SECOND SEMESTER

History 1	Political History of the U. S.	3
Economics 1	General Economics	3
Home Economics 14	Teaching Home Economics	2 (4)
Home Economics 10	Home Nursing	1 (2)
Bacteriology 2	Advanced Bacteriology	(6)
Electives		5
		14(12)
		(20 credit hours)

COLLEGE COURSES ELECTIVE IN JUNIOR AND SENIOR YEARS

Course	Title	Semester	Hours
Agronomy 5	Farm Management	2nd	1 (2)
Agronomy 6	Agricultural Engineering	1st	2 (3)
Bacteriology 2	Advanced Bacteriology	Both	(6)
Botany 2	Advanced Botany	Both	(6)
Botany 3	Advanced Botany	Both	(6)
Chemistry 3	Agricultural Analysis	Both	(6)
Dairy Husbandry 4	Judging	2nd	1 (4)
Dairy Husbandry 2	Animal Nutrition	1st	3 (0)
Dairy Husbandry 6	Commercial Dairying	1st	3 (3)
Dairy Husbandry 7	Herd Improvement	2nd	2 (3)
Education 1	Philosophy of Education	1st	3
Education 2	Educational Psychology	1st	3
Education 3	Principles of Teaching	2nd	3
Education 4	The Teaching of Agr.	2nd	3
French 2	Advanced French	Both	4
French 3	French Literature	Both	3
German 2	Advanced German	Both	4
Horticulture 2	Fruit Varieties	1st	2 (3)
Horticulture 6	Commercial Horticulture	1st	2 (3)
Horticulture 8	Landscape Gardening	2nd	2 (3)
Horticulture 11	Ad. Green House Mang.	Both	2 (4)
Mathematics 5	Surveying	1st	1 (3)
Mechanic Arts 1	Carpentry	1st	(3)
Mechanic Arts 14	Forging	2nd	(3)
Military Science 2	Officers' School	Both	1
Physical Education 4	Play and Recreation	Both	2
Poultry Husbandry 2	Poultry Culture	1st	2 (3)
Poultry Husbandry 3	Poultry Culture	2nd	2 (3)
Poultry Husbandry 4	Com. Poultry Keeping	1st	2 (3)
Poultry Husbandry 5	Pathology and Judging	1st	1 (3)
Zoology 2	Advanced Zoology	Both	(6)

DINING HALL.



LIBRARY.

Descriptions of College Courses.

AGRONOMY

Professor Slate, Professor Southwick and Mr. Duffee

Agronomy 1. Soils. *Sophomore year, second semester.* An elementary course dealing with the origin, classification, and physical properties of soils and the factors concerned in soil management; the elementary principles of soil fertility, the use of manures and fertilizers and the relation of plant growth to soil conditions.

Agronomy 2. Field Crops. *Junior year, first semester.* A general course including both the grain and forage crops together with such special crops as tobacco; their classification, identification, improvement and methods of culture. Crop judging is included in the laboratory work.

Agronomy 3. Agricultural Engineering. *Junior year, second semester.* A course dealing with the various types of farm machinery, their proper care and adjustment; farm motors, especially the stationary gasoline engine, with the theory and practice of its operation and adjustment; water supply, and general farm equipment.

Agronomy 4. Farm Management. *Elective for seniors only, first seemster.* A general course dealing with the business side of farming including types of farming, systems of rental, capital and its distribution, size of farms, farm labor, equipment and layout, cropping systems and the maintenance of fertility. The laboratory work is largely used in studying farm accounts and farm management survey methods. At least one inspection trip will be required for the purpose of studying some interesting Connecticut farms. Prerequisites, Agronomy 1 and 2, Dairy Husbandry 1, Horticulture 1, Poultry Husbandry 1.

Agronomy 5. Advanced Farm Management. *Elective for seniors only, second semester.* A continuation of Agronomy 4 with especial emphasis on the investigational side of farm management and practical problems in farm organization. Considerable time will be used in becoming familiar with farm survey records and the tabulation of results obtained in Connecticut. Several trips will be required to farms throughout the state to study their layout, organization, and business. The expenses of these trips will approximate $20.00. Prerequisite, Agronomy 4.

Agronomy 6. Agricultural Engineering. *Elective for seniors, first semester.* A course dealing with the planning and design of farm buildings, with special attention to dairy buildings; the engineering and construction of drainage, irrigation, and sanitation systems.

ANIMAL HUSBANDRY

PROFESSOR GARRIGUS

Animal Husbandry. *Junior year, second semester.* The various breeds and types of domestic animals are studied with reference to their origin, history, development, characteristics, and value from a utility standpoint. Text books, Gay's "Productive Horse Husbandry", Curtis's "Live Stock Judging and Selection", Kleinheinz's "Sheep Management", and Day's "Productive Swine Husbandry".

Laboratory Work. Specimens of types and breeds are scored by the class. Demonstrations and discussions of market value, soundness, age and other essential points in the care and handling of live stock, are given. Occasional short trips are made to study animals of various types.

BACTERIOLOGY

PROFFESSOR ESTEN, MISS MASON

Bacteriology 1. General Bacteriology. *Sophomore year, second semester.* A preparation for course 2, arranged in three parts: (1) relation of bacteria to soil fertility; (2) relation of bacteria to milk and its products; (3) relation of bacteria to health and disease. The first three exercises will treat of what bacteria are by their functions, morphology, and classification. Part 1, soil biology: scope of the subject, its economic importance, agency of bacteria in soil fertility and their relation to conservation of farm fertilizers with special reference to the problem of nitrogen supply, growth of bacteria in frozen soil. Part 2, bacteria in the dairy: milk fermentations, pure milk production in sanitary dairies, milk in its relation to public health. Part 3, bacteria and hygiene: cause of the decline of nations, influence of diet on the bacterial infections of the digestive tract, principles of maintaining resistance to bacterial diseases, vital economics of nutrition, preventive medicine.

Bacteriology 2. Dairy Bacteriology. *Junior year, both semesters.* Methods of determining the number of bacteria in milk, preparation of special culture media for detection of distinct varieties of milk bacteria, effect of different groups of bacteria in milk, butter, and cheese, sources of milk contamination, methods of eliminating contamination, bacteria in cream "starters" and commercial cultures for ripening cream and cheese, favorable and unfavorable fermentations of milk, biology of sanitary milk production, bacteria of milk hygiene. Prerequisite, Bacteriology 1.

BOTANY AND GENETICS

PROFESSOR SINNOTT AND MR. TORREY

Botany 1. *Freshman year, first semester.* An introductory course dealing with the morphology, physiology, ecology and classification of plants, with special emphasis on the higher forms.

Botany 2. *Junior or senior year, both semesters.* An advanced course dealing with the structure, life histories, relationships and evolution of the algae, fungi, bryophytes, vascular cryptogams and seed plants. Open only to those who have had Botany 1 or its equivalent.

Botany 3. *Elective in senior year, both semesters.* A course of conferences and laboratory practice, for those who expect to pursue advanced work in botany elsewhere. Familiarity will be acquired with the technique of killing and fixing various types of plant material, embedding in paraffin and celloidin, cutting microtome sections and preparing and staining mounts. Each student will be given an opportunity to devote special attention to a particular problem, as an introduction to methods of investigation. Open only to those who have taken Botany 1 and 2 or their equivalent.

Genetics. *Junior year, first semester.* A general introductory course aiming to present a knowledge of the laws of variation and inheritance, as a basis for practical animal and plant breeding.

CHEMISTRY

PROFESSOR NEWTON AND MR. HUGHES

Chemistry 1. *Freshman year, both semesters.* This course is devoted to a study of the fundamental principles of chemistry and to the concepts of heat, light and electricity in their relation to the science. During the second semester the time in the laboratory is devoted to a study of the commonly occurring inorganic compounds and to the elements of qualitative analysis.

Chemistry 2. Organic Chemistry. *Sophomore year, second semester.* The course consists in the first semester of a study of the more important classes of organic compounds, such as the aliphatic and aromatic hydrocarbons, alcohols, phenols, and ethers. The lectures will be illustrated by lecture table experiments and prepared compounds from the chemical museum.

Chemistry 3. Quantitative Analysis. *Elective.* Six hours laboratory. General methods of quantitative analysis followed by special applications.

DAIRY HUSBANDRY

Professor White, Professor Judkins, Mr. Campbell

Dairy Husbandry 1. General Dairying. *Freshman year, second semester.* A study of milk, its secretion, character, and composition; factors influencing the quantity and quality of milk; methods of testing milk and its products for butterfat by the Babcock test; the lactometer and its use in detecting adulterated milk; the various tests for determining the acidity of milk and cream; the various methods of cream separation, including a study of the construction and operation of centrifugal separators; method of making and marketing butter with special reference to farm conditions; the essentials of cottage cheese making and ice cream making; and methods of keeping records of dairy cows.

Dairy Husbandry 2. Animal Nutrition. *Junior year, first semester.* The laws of nutrition and theory of metabolic processes; composition, digestibility, characteristics, and adaptability of farm and market feeds for different classes of animals; a study of feeding standards and their application in calculating balanced rations, and factors to consider in computing economical rations. Prerequisite, Chemistry 1.

Dairy Husbandry 3. City Milk Supply. *Junior year, first semester.* A study of the essentials in production and marketing of good milk and cream; sanitary codes of city and state authorities; modified, pasteurized, certified, and inspected milk; laboratory tests for purity and adulterants, and the methods of milk inspection.

Dairy Husbandry 4. Cattle Judging. *Elective, second semester.* A comprehensive study is made of the score card for cows and bulls; the history and development of the dairy breeds; a laboratory study of breed type and comparative judging of animals. In addition to the animals in the college herd as many other herds will be visited as practicable.

Dairy Husbandry 5. Milk Production. *Junior year, second semester.* A study of dairying from the standpoint of the production of milk; the adaptability and characteristics of the breeds; care and development of the young calf and heifers; selection, feed, and management of the herd bull; selection, feeding, and management of cows for maximum and economic milk production. Prerequisite, Dairy Husbandry 1.

Dairy Husbandry 6. Commercial Dairying. *Elective, first semester.* A study of the details of manufacture, curing and marketing of the important kinds of American cheese, including soft cheese. A study of the ice cream business, its extent and importance with laboratory practice in making ice cream. A study of creamery buttermaking, including methods of sampling and grading milk and cream; the use of power separators; pasteurization; the propagation of starters; cream ripening; churning and marketing of butter; creamery repairs and management. The number of students who can elect this course is limited. Prerequisite, Dairy Husbandry 1.

Dairy Husbandry 7. Herd Improvement. *Elective, second semester.* Theory and practice of handling heifers for best development and usefulness; value of proper care at time of parturition; study of tuberculosis and contagious abortion and methods of control; application of theories of inheritance to cattle breeding and mehods employed to give greatest success. In the laboratory, a sudy is made of the value of animals, based upon individuality, record and pedigree. Prerequisite, Genetics and Dairy Husbandry 5.

Dairy Husbandry 8. Seminar. *Senior year, both semesters.* A study of the latest results obtained in dairy investigations. Each student must review carefully the literature on special topics and present this before the class; latest bulletins and scientific findings will be reviewed.

DRILL AND MILITARY SCIENCE

Lieutenant Amory

Drill. Three hours per week for all classes both semesters; except from December 1 to April 1, when there is two hours' drill per week.

Military Science 1. *Sophomore year, second semester.* One hour lecture. Drill regulations to include school of squad, manual of bayonet, firing regulations and field service regulations.

Military Science 2. *Senior year 1 hour per week, Dec. 1 to Apr. 1.* Required of cadet officers, elective for others. Drill regulations, company administration, minor tactics, war games, fire control, combat exercises.

In addition to the above, all classes are required to take Military Science, 1 hour lecture per week, from Dec. 1 to Apr. 1, in lieu of 1 hour drill. The course is progressive as follows:

Freshmen. Military policy of the United States, military courtesy, manual of interior guard duty, care of the rifle, field service regulations.

Sophomores. Drill regulations, to include school of the squad, manual of the bayonet, firing regulations, field service regulations.

Juniors. Military map reading and sketching, map problems, field service regulations, firing regulations.

Seniors. See Military Science 2.

Camp. The student body goes into camp for one week during the second semester with troops of the regular army at a military reservation.

ECONOMICS

PROFESSOR ——————

Economics. *Senior year, both semesters.* An introductory course, dealing in the first semester with general economic principles and in the second with their application to agriculture.

EDUCATION

PROFESSOR EATON

Education 1. The Philosophy of Education. *First semester.* A study of present day organization and administration of schools in the light of educational theory; the social aspects of education; the values, principles, and aims of education as exemplified in the curriculum.

Education 2. Educational Psychology. *First semester.* A study of the laws of learning in the inidvidual.

Education 3. The Principles of Teaching. *Second semester.* A study of the relations of teacher and pupil; class management; types and methods of teaching; the relation of the teacher to the school and to the school system. Prerequisites, Education 1 and 2.

Education 4. The Teaching of Agriculture. *Second semester.* A study of organization, method, and procedure in the teaching of agriculture in secondary schools. Prerequisites, Education 1, 2 and 3.

Members of the class of 1917 who wish to take this course should consult the instructor before registering.

ENGLISH

PROFESSOR MONTEITH

English 1. *Freshman year, both semesters.* A course dealing with the essentials of English composition. A review of grammatical principles, diction, and punctuation; a study of the units and forms of discourse, with special attention to exposition. Theme writing.

English 2. *Junior year, second semester.* This course will consist of two parts: (1) Lectures on English literature from the earliest times, with special emphasis upon the historical background; and (2) a study of the work of representative authors of each period.

FORESTRY

MR. MOSS

Forestry 1. *Elective, senior year, second semester.* An elementary course including: economic value of the trees in the state; handling of wood-lots and the forest nursery; methods of measuring forest products and elements of estimating; local methods of lumbering and values; forest management and protection; influence of forest on soil and stream flow.

FRENCH

Professor Monteith

French 1. *Sophomore year, both semesters.* Grammar, reading, composition, and oral exercises. Fraser and Squair, French Grammar. Reading of simple modern French prose.

French 2. *Sophomore year, both semesters, and elective.* Reading and grammar. The reading will include as wide a selection as possible of representative modern writers.

French 3. *Elective, senior year.* See announcement later.

GERMAN

Miss Whitney

German 1. *Sophomore year, both semesters.* Allen and Phillipson German Grammar; reading of elementary German texts. Throughout the year, frequent written quizzes, sight reading and translation.

German 2. *Sophomore year, both semesters, and elective.* Reading of intermediate German texts followed by Kip's Scientific German Reader. Advanced grammar and composition work with especial attention to rapid sight reading throughout the year.

HISTORY

Professor Monteith

History. *Senior year, both semesters.* This time will be equally divided between a general survey of European history from the close of the fifteenth century and the history of the United States from the close of the Revolution, with emphasis upon political history. Lectures and collateral reading.

HORTICULTURE

Professor Gulley and Mr. Stevens

Horticulture 1. Vegetable Culture. *Sophomore year, first half of first semester.* The study of vegetables, discussing locations of great vegetable centers, locations and sites for vegetable gardening, soils, water supply, markets and marketing, etc. The botanic families, origin, history, identification of plants and seeds, and special culture for production of each, as well as a discussion of all glass structures necessary for growing and forcing of the same. The laboratory work will be used in handling and studying the various plants and seeds. This course must be preceded by Botany 1. **Fruit Growing.** *Second half of the semester.* A course in general fruit growing, treating of the origin, propagation, and growth of fruits. The growth and handling of trees in the orchard, fertilizers and cover crops. Orchard sites, and soils adapted to different fruits. Prerequisite, Botany 1.

Horticulture 2. Fruit Varieties. *Junior year, first half of first semester.* A study of the various varieties, particularly apples; how they are known and described; how fruits are judged by scale of points; difference of growth and varieties in the orchard, how recognized. The very extensive college variety orchards furnish ample material for this course. Prerequisite, Horticulture 1. **Spray Formulas.** *Last half of semester.* A study of the history, development, classification, and production of the principal spray materials. The student will be required to prepare these materials and note the chemical changes and combinations so far as possible. Prerequisite, Chemistry 1.

Horticulture 3. Plant Diseases. *Junior year, first semester.* A study of the principal diseases that attack our cultivated plants, both hardy and tender; how disseminated, how known, and the general methods of control.

Horticulture 4. Greenhouse Management. *Junior year, second semester.* Types of houses, materials used in construction, propagation and care of the principal commercial plants, growth of bedding plants and the management of vineries and houses for special purposes. Prerequisite, Horticulture 1.

Horticulture 5. Horticultural Practice. *Junior year, second semester.* This course will be devoted to field practice in connection with handling of trees and plants, embracing pruning, grafting, packing and other operations connected with successful horticulture.

Horticulture 6. Commercial Horticulture. *Senior year, first semester.* The principles of fruit growing; locations for the business; establishment of and management of fruit farms; cropping, cultivation of fruit plantations, harvesting, grading, packing, storing and disposition of fruit crops with especial reference to New England conditions.

Horticulture 7. Botanic Horticulture. *Senior year, first semester.* The sources and relations of cultivated plants and plant products. The derivation of deleterious plants; how often changed from one class to the other This and Plant Breeding are closely connected. and the laboratory work is connected with both courses. The large plant house furnishes many illustrations for this study. Prerequisite, Horticulture 1.

Horticulture 8. Landscape Gardening. *Senior year, second semester.* The laying out of grounds, grouping and planting of shrubs and trees; making plans of small places; treatment of walks and drives, flower borders and use of bedding plants; improvement of grounds already grown up. The requirements of country and home grounds are particularly considered. Prerequisite, Horticulture 1.

Horticulture 9. Plant Breeding. *Senior year, second semester.* The principles of breeding as applied to plants, and the improvement of present kinds. Effects of crossing and hybridizing. Production of new varieties.

Horticulture 11. Advanced Greenhouse Management. *Both semesters, elective for seniors.* The course deals with the commercial growing of flowers and vegetables under glass; also the management of decorative outside work. Open to a limited number.

HOME ECONOMICS

Miss Hayes, Mrs. Cousley, and Miss Costello

Home Economics 1-2. Cooking. *Freshman year, both semesters.* An introductory course to teach the elements of plain cooking using typical foods and typical cooking processes. The lecture and recitation work will be closely correlated with practice and will consist of a study of the sources, composition, preservation and cost of food.

Home Economics 3-4. Cooking. *Sophomore year, both semesters.* A continuation of the freshman course with special emphasis upon the preparation and serving of meals.

Home Economics 6. Nutrition. *Junior year, second semester.* A course in the principles of human nutrition with practice in planning dietaries in relation to these principles, the comparative cost and nutritive value of foods and the consideration of the special problems that arise in the planning, purchase, cooking and serving of food to the family.

Home Economics 7-8. Household Management. *Junior year, both semesters.* This course centers about the home, its evolution, history and place in society, its equipment, sanitation and care, its management, the division of work and income, the home maker's duty as a consumer and other subjects vital to its interests. Practical work in housewifery and laundering will be included in the course.

Home Economics 10. Home Nursing. *Senior year, second semester.* A course planned to give instruction in the treatment of emergencies and in simple methods of caring for the sick in the home. Practical work includes care of the sick room, bed making, bandaging, invalid diet, etc.

Home Economics 11-12.—Principles of Teaching. *Junior year, two semesters,* A course in principles and methods of teaching based upon the study of the child in his physical, mental and moral relation to home, school and society. The work will consist of lectures, recitations and assigned reading and is planned as an introduction course to the more specialized work of the senior year.

Home Economics 13-14. The Teaching of Home Economics. *Senior year, two semesters.* The course will consist of a survey of the field of home economics, the problems that arise in its teaching, comparison of courses of study, the use of text books and illustrative material, the discussion of class room methods and technique, problems in cooking and sewing adapted to children's needs, equipment of home economics laboratories, etc. Practice in planning lessons and courses of study adjusted to meet varying conditions will be emphasized and individual work required of students in observation of classes and the preparation and teaching of a series of lessons in the school rooms in the neighborhood of the college.

Home Economics 15-16. Sewing. *Freshman year, both semesters.* This course consists of a rapid review of the principal stitches in hand sewing, applied directly to the making of useful articles, practice in mending and repairing garments, the cost and care of clothing, the use of the sewing machine in the making of a set of underwear and other simple articles of clothing adapted to the skill and needs of the class.

Home Economics 17-18. Dressmaking. *Sophomore year, both semesters.* A course in the use of patterns and drafts applied to the making of simple garments. Special emphasis is laid upon the independence of the student in cutting and adapting patterns to her own needs. The work of the course will also include practice in fine hand sewing and simple embroidery.

Home Economics 19. Textiles and Dressmaking. *Junior year, first semester.* This course includes a thorough study of household textiles, their sources, manufacture and adulterations. Text book, Wookman and McGowan, Textiles. The practice in dressmaking consists of more advanced work in cutting, fitting and drafting of dresses and coats.

Home Economics 20. Design and Millinery. *Junior year, second semester.* The course in design includes the study of line, form and color relating to clothing and its decoration. Attention is also given to the study of dress in its relation to the individual. This work in connection with lectures and the use of books on historic costume forms a basis for costume design. The course in Millinery consists in the making of plain hats with their various trimmings and accessories.

Home Economics 21. Design. *Senior year, first semester.* This course will be closely related to the work of the junior year and will be a continuation of the study of problems in the principles of simple design with particular reference to household furnishings and decoration.

Home Economics 23. Social and Industrial History. *Sophomore year, first semester.* A course for the study of the great forces in the world's history which have had sepcial bearing upon the social and industrial fabric of society.

MATHEMATICS

Professor Wheeler

Mathematics 1. *Freshman year, both semesters.* This course will cover college algebra, solid geometry, and plane trigonometry.

In addition to the usual topics of college algebra, about one week's work in biometrical computation will be given, finding means, modes, standard deviations, etc.

In solid geometry the course will be introduced by a few days' practice in the drawing of lines, planes, and combinations of these: the course will make use freely of models illustrating the various propositions.

Plane trigonometry includes the solution of right and oblique triangles and the proof of all laws by which these solutions are made. Twenty individual examples are assigned to each student as a part of the work of this course.

Mathematics 2. Analytical Geometry. *First semester.* This course will include loci and their equations, the straight line, the circle, polar system, the parabola, the ellipse and the hyperbola, and will be limited to plane geometry. The text-book will be Wentworth's Analytical Geometry.

Mathematics 3. Differential Calculus. A course in differential calculus, including functions, differentiation, expansion of functions, indeterminate forms, representation of various curves, direction of curves, maxima and minima, evolutes and involutes.

Mathematics 4. Integral Calculus. A course in integral calculus and will include elementary forms of integration, trigonometric integrals, application of integration to plane curves, and successive integration.

Mathematics 5. Plane Surveying. Required of students in Mechanic Arts. Elective for students in the College of Agriculture.

The laboratory hours, when the weather permits, will be used in field practice with compass, level, transit, etc., and later in the term in plotting of maps and in computation. The textbooks will be Tracy's "Plane Surveying" and Tracy's "Exercises in Surveying".

MECHANIC ARTS

Professor Fitts and Professor Wheeler

Mechanic Arts 1. Carpentry. *Freshman year, first semester.* Care and use of carpenter's tools. Instruction in making the various joints. Stair construction, rafter cutting, use of the steel square, estimating board feet and bills of material.

Mechanic Arts 2. Wood Turning. *Freshman year, second semester.* Instruction in the care of the engine, or motor, students taking turns as engineer. Exercises in wood turning, including work between centers, face plating, chucking, finishing and polishing.

Mechanic Arts 3. Mechanical Drawing. *Freshman year, both semesters.* Use of drawing board, T square and triangles explained and demonstrated. Drawing straight lines, cross hatching, geometrical problems, inking, shading, projections of points, lines, planes and solids, curves, shadows, and perspective, tracing and blueprinting.

Mechanic Arts 4. Pattern Making and Foundry. *Sophomore year, first semester.* The making of simple patterns and core boxes with instruction concerning draft, finish shrinkage and woods. The course is concluded by the moulding and casting of some of the patterns made, the casting being done in soft metal.

Mechanic Arts 5. Descriptive Geometry. *Sophomore year, first semester.* Recitations and drawing exercises in the solution of geometrical problems by orthographic projection.

Mechanic Arts 6. Machine Joinery. *Sophomore year, second semester.* The making of various articles of furniture and farm appliances on the wood working machines. Bench work will be eliminated as far as possible. Factory methods of quantity production will be explained and demonstrated.

Mechanic Arts 7. Machine Drawing. *Sophomore year, second semester.* Detail and assembly drawing of simple machine parts.

Mechanic Arts 8. Machine Elements. *Junior year, first semester.* Drawing out the various mechanical problems encountered in the use of belts, gears, levers and other machine parts.

Mechanic Arts 9. Machine Shop. *Junior year, both semesters.* General care of shop and machines, and the centering, boring, turning, chucking, thread cutting, taper turning and face plate work on the engine lathe, combined with bench work and exercises on the shaper, drill and other machines.

Mechanic Arts 10. Gas Engines. *Junior year, first semester.* A study of the principles and design of the gas and gasoline engine. The laboratory work will consist of the taking down and assembling of one or more engines.

Mechanic Arts 11. Direct Currents. *Junior year, first semester.* A study of direct currents as furnished by dynamos and cells and their application for commercial use.

Mechanic Arts 12. Alternating Currents. *Junior year, second semester.* A study of alternating currents, their transmission, transformers and their application for commercial use as compared with direct currents.

Mechanic Arts 13. Auto Mechanics. *Junior year, second semester.* A study of the mechanics of the automobile with the taking down, assembling and adjusting of the various parts.

Mechanic Arts 14. Forging. *Junior year, second semester.* The exercises consist of the drawing, welding and bending of iron, the forging, filing and tempering of steel and the making of machine tools.

Mechanic Arts 15. Applied Mechanics. This course will include horse power, energy, forces acting at a point, center of gravity, friction, uniform acceleration, and practical problems.

Mechanic Arts 16. Power Plants. This course will include the study of elementary steam power plants, fuel and combustion, boilers, stokers, superheaters, chimneys, draft, steam engines, condensers, separators, pumps, piping, etc.

Mechanic Arts 17. Hydraulics. This course will include flow and discharge of streams, pipes and sewers, and a study of hydraulic plants for power.

Mechanic Arts 18. Thermodynamics. Thermodynamics will include a study of the properties of gases, saturated and superheated vapors, especially of air and steam, of the flow of fluids through orifices, nozzles, and pipes, and of the various cycles of hot air, internal combustion and steam engines, of the turbine, air compressor and the refrigerating system.

Mechanic Arts 19. Materials of Engineering. This course will be a study of the sources, manufacture and properties of important materials used in engineering; the mixing and testing of cements, and concretes.

Mechanic Arts 20. Engineering Seminar. *Senior year, second semester.* A weekly round table, discussion of original problems, a review of current technical journals, supplemented with an occasional lecture or demonstration from a technical man from without the college.

MUSIC

Miss Thompson

An opportunity is given to the students of the college to study vocal and instrumental music.

The Connecticut Glee Club was organized to build up an interest in college singing. The club is composed of about twenty-five men. New candidates are admitted to the club after passing an examination satisfactory to the director, and the club meets for practice every Monday and Thursday evening. Concert engagements are filled by the club.

NATURAL HISTORY

Professor Lamson and Mr. Manter

Zoology 1. *Freshman year, second semester.* A course designed to acquaint the student with the anatomy and physiology of representative invertebrate animals together with study of the most important biological principles. Special emphasis is placed upon the study of those forms of animal life that are of greatest economic importance.

Geology. *Sophomore year, first semester.* A course in geology and mineralogy, including the study of the chemical and physical properties of the common rocks and minerals, together with the elements of dynamical and historical geology.

Entomology. *Sophomore year, first semester.* A course in economic entomology in which the structures, metamorphoses, and life histories of the most important insect enemies of the garden, field, orchard and forest are studied. Field trips are taken to study insects that can be found in their natural conditions at this time of the year.

Zoology 2. *Senior year, both semesters.* A course designed for more advanced study of animal life with emphasis placed upon the physiology, histology and embryology of several branches. This course supplements the work in entomology by giving considerable time to the study of insects.

PHYSICS

Professor Wheeler

Physicas 1. *Sophomore year, first semester.* The elements of mechanics and heat with a little work in electricity will be covered in this course. Laboratory practice will constitute a part of the course, and opportunity will be given to visit plants in neighboring cities where numerous physical principles can be seen applied.

Physics 2. *Sophomore year, second semester.* Required in course in mechanic arts. A continuation of Physics 1.

PHYSICAL EDUCATION

PROFESSOR CHASE

Physical Education 1. 2 *hours per week throughout the year.* Gymnastics, athletics, and lectures on hygiene. Required of all freshmen and first year specials.

Physical Education 2. 2 *hours per week from Thanksgiving recess to Easter recess.* Equivalent to one-half hour credit per semester. Gymnastics and athletics. Outdoor work when possible. Required of all sophomores and second year specials.

Physical Education 3. *For young women. Freshman and sophomore years, both semesters.* 2 hours a week. Outdoor games and exercises in fall and spring, and work in the gymnasium during the winter.

Physical Education 4. 2 *hours per week throughout the year. Elective for juniors and seniors.* A course in play and recreation with instruction in leadership. Designed for rural teachers, county agents and leaders in boys and girls' club work.

Note. Students who report as candidates for athletic teams may be excused by the director from the work in gymnastics during the season of the sport, but they must report for practice at least four days a week and stand oral examination as to their knowledge of the sport as requirement for credit.

Students before competing for athletic teams and before taking part in violent gymnastics must report to the director for physical examination. If their condition is such that in the opinion of the director they should not be alowed to compete, they must refrain from so doing until they may have improved and a satisfactory report has been rendered.

POULTRY HUSBANDRY

PROFESSOR KIRKPATRICK AND MR. WARNER

Poultry Husbandry 1. Poultry Culture. *Freshman year, first semester.* Text-books and lectures. Topics: The poultry industry; the poultry farm, buildings and equipment; breeds of domestic fowls, including water fowl and pigeons; principles of breeding; selection of stock; incubation and brooding; feeding and general management; preparation for market, including killing and dressing; poultry parasites and dieseases.

Poultry Husbandry 2. Poultry Culture. *Junior year, first semester.* Text-books and lectures. This course is a continuation and elaboration of Course 1, which is prerequisite. It is designed for the purpose of getting the student in closer touch with those essential details that make for success in the business of keeping hens. A part of the semester's work will be devoted to a study of show types of the various breeds and varieties as classified and arranged in the American Standard of Perfection. Required of poultry juniors.

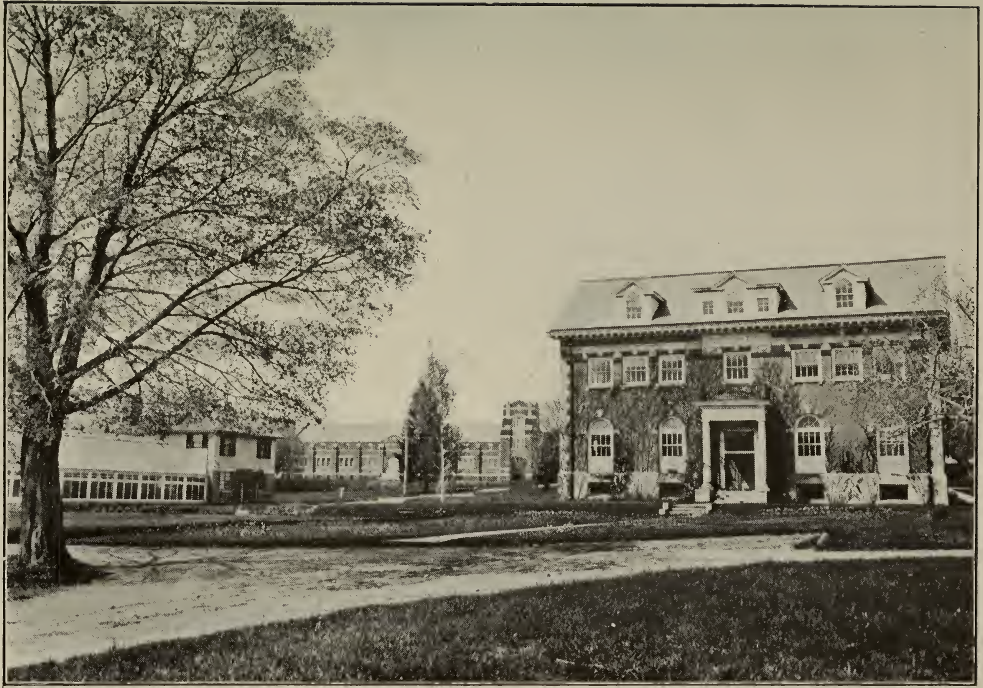
Poultry Husbandry 3. Poultry Culture. *Junior year, second semester.* This course continues in a way the work of Poultry 2 offered in the first semester. Especial emphasis will be laid on the designing and construction of poultry houses and practice work in incubation and brooding will be required. Students who contemplate electing this course should note that some of the practice work, notably that in connection with incubation and brooding, cannot be scheduled in regular laboratory periods. Special hours must be arranged since the nature of work will require the student's daily attention. Prerequisite, Course 1 Required of poultry juniors.

Poultry Husbandry 4. Commercial Poultry Keeping. *Senior year, first semester.* This course will deal principally with the laying out of large plants; the handling and management of commercial flocks; style of houses, kinds of brooders, and other poultry appliances suitable for such enterprises; advertising, capital required, probable losses, causes of failure, etc. Prerequisite, Course 1.

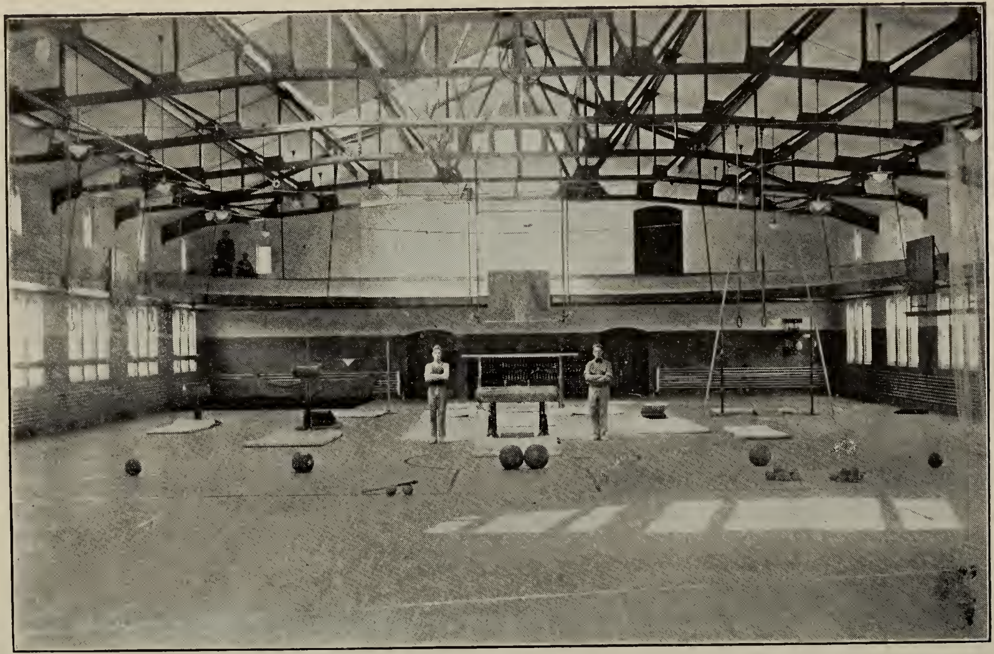
Poultry Husbandry 5. Pathology and Judging. *Senior year, first semester.* The lecture hour of this course will be devoted almost exclusively to discussion of the more important poultry diseases. The laboratory period will consist largely of advanced work in the preparation and judging of show room types. Prerequisites, Course 1 and 2. Elective for seniors.

Poultry Husbandry 6. Poultry Research. *Senior year, second semester.* This course involves the writing of thesis prepared from data collected by the student or from other available but unreported records. Prerequisites, Courses 1 and 4.

Poultry Husbandry 7. Seminar. *Junior and senior years, second semester.* This period will be devoted to a more or less informal discussion of recent poultry investigations. Each student will be required to prepare and present a paper on some special topic, review bulletins and discuss general problems which from time to time may arise or confront the department. Required of poultry juniors and seniors.



GREENHOUSES AND HORTICULTURE BUILDING. ARMORY IN BACKGROUND.



ARMORY AND GYMNASIUM.

PUBLIC SPEAKING

Miss Wallace

Public Speaking 1. *Junior year, first semester.* Fundamentals of voice and body. Practical application in speaking and debating. Extemporaneous speaking and the preparation of original speeches, the aim being to develop the power to think when upon the feet and to secure a vocabulary of delivery as well as of words.

VETERINARY SCIENCE

Doctor Dow

Veterinary Science. *Senior year, first semester.* A lecture and text book course on comparative anatomy; physiology; general pathology; therapeutics. Disease and treatment; hygiene, and general care and treatment of sick animals. Contagious, infectious, and parasitic diseases. Common cases of poisoning in cattle and sheep. Obstetrics, and diseases of the young animal. General principles of surgery, treatment of wounds and injuries. Diseases of the foot and lameness.

Outlines of School Courses

SCHOOL OF AGRICULTURE

FIRST YEAR

First Semester

		Hours per week
English 101	Composition and Rhetoric	4
Chemistry 101	Farm Chemistry	3 (2)
Mathematics 101	Advanced Arithmetic	2
Dairy Husbandry 101	Farm Dairying	2 (3)
Botany 101	Elementary Botany	2 (3)
Shop Work 101	Carpentry	(2)
Physical Education 101		(2)
Drill		(3)
		13 (15)

Second Semester

English 102	Composition and Rhetoric	4
Public Speaking 102		2
Physics 102		2
Entomology 102	Economic Insects	2 (2)
Horticulture 102	Vegetable Gardening	2 (2)
Poultry Husbandry 102	Poultry Culture	3 (2)
Shop Work 102	Forging	(2)
Physical Education 102		(2)
Drill		(3)
		15 (13)

SECOND YEAR

First Semester

Horticulture 103	Fruit Growing	2 (2)
Dairy Husbandry 103	Animal Feeding	2
Agronomy 101	Soils and Fertilizers	2 (2)
Animal Husbandry 101	Types and Breeds	2 (2)
Farm Mechanics		1 (2)
Veterinary Science 101	Animal Diseases	2
English 103	English Literature	2
History and Civics		3
Physical Education 101		(1)
Drill		(3)
		16(12)

Second Semester

Horticulture 104	Fruit Growing	2 (2)
Agronomy 104	Farm Management	2
Agronomy 102	Field Crops	2 (2)
Dairy Husbandry 104 or	Market Dairying	2 (2)
Poultry Husbandry 104	Poultry Management	
Dairy Husbandry 106	Dairy Herd Management	3 (3)
Forestry 102	Farm Woodlots	1 (3)
Physical Education 102		(1)
Drill		(3)
		12(16)

School of Home Economics

FIRST YEAR

First Semester

		Hours per week
Chemistry 101	Elementary Chemistry	3 (2)
Botany 101	Elementary Botany	2 (3)
Mathematics 101	Advanced Arithmetic	2
English 101	Composition and Rhetoric	4
Home Economics 101	Cooking	1 (3)
Home Economics 113	Sewing	1 (3)
Home Economics 105	Housewifery	1 (1)
Physical Education 103	Gymnasium	(2)
		14(14) (21 credit hours)

Second Semester

Public Speaking 102	Public Speaking	2
Physics 102	Elementary Physics	2
Poultry Husbandry 102	Poultry Culture	3 (2)
English 102	Composition and Rhetoric	4
Home Economics 102	Cooking	1 (3)
Home Economics 114	Sewing	1 (3)
Home Economics 110	Hygiene	2
Music 102	Sight Singing	2
Physical Education 104	Gymnasium	(2)
		17(10) (22 credit hours)

SECOND YEAR

First Semester

		Hours per week	
History and Civics		3	
English 103	English Literature	2	
German 101	Elementary German	3	
Home Economics 117	Design		(2)
Home Economics 107	Household Management	4	
Home Economics 103	Cooking	2	(4)
Home Economics 119	Embroidery and Millinery		(2)
Home Economics 115	Dressmaking	1	(4)
Physical Education 103	Gymnasium		(2)
		15	(14)
		(22 credit hours)	

Second Semester

English 104	English Literature	3	
German 102	Elementary German	3	
Horticulture 106	Home Gardening	1	(2)
Home Ecnomics 118	Design		(2)
Home Economics 112	Home Nursing	2	(2)
Home Economics 104	Cooking	2	(4)
Home Economics 116	Dressmaking	1	(4)
Physical Education 104	Gymnasium		(2)
		12	(16)
		(20 credit hours)	

Descriptions of Courses

TWO YEAR COURSES

Schools of Agriculture and Home Economics

AGRONOMY

Professor Slate, Professor Southwick, and Mr. Duffee

Agronomy 101. Soils and Fertilizers. *Second year, first semester.* An elementary course in soil management, the relation of crops to soils, and the nature and use of manures and fertilizers.

Agronomy 102. Field Crops. *Second year, second semester.* A course dealing with the field crops adapted to New England including the grains, forage crops, potatoes, and special crops.

Agronomy 104. Farm Management. *Second year, second semester.* A study of the business side of farming dealing with choice of region and farm, farm layout, labor, and equipment, cropping systems, and maintenance of fertility. At least one trip will be made to study some typical farms in Connecticut.

ANIMAL HUSBANDRY

Professor Garrigus

Animal Husbandry 101. *Second year, first semester.* The principal breeds and types of domestic animals are studied with reference to their origin, history, development, characteristics, and value, especially with reference to utility. Harper's "Animal Husbandry for Schools" and Gay's "Principles and Practices of Judging Live Stock" are used as text books.

Laboratory work consists of judging and scoring animals of various types also demonstrations of various operations in handling live stock of different classes.

BOTANY

Mr. Torrey

Botany 101. *First year, first semester.* An elementary course in the structure, work, and systematic classification of plants with especial reference to economic forms.

CARPENTRY

Mr. Blake

Shop Work 101. Carpentry. *First year, first semester.* Cost, care, and use of tools; making of various joints; rafter cutting; plank construction, and the making of useful farm appliances to be ironed later in the forging shop.

CHEMISTRY

Professor Newton and Mr. Hughes

Chemistry 101. *First year, first semester.* This course is devoted to a careful study of the more important fundamental principles of inorganic chemistry and of the practical applications of the science to the problems of every-day life.

DAIRY HUSBANDRY

Professor White, Professor Judkins, Mr. Campbell

Dairy Husbandry 101. Farm Dairying. *First year, first semester.* A study of milk, its secretion, character, and composition; practice in testing milk with the Babcock test, the lactometer, and various acid tests; a study of hand power separators, their construction and method of running; practice in separating milk. Buttermaking, including methods of ripening cream, churning, washing, salting, and packing butter; general principles of cheese making with practice in making a few kinds of soft cheese. Ice cream making.

Dairy Husbandry 103. Animal Feeding. *Second year, first semester.* A study of the composition and digestibility of feeding stuffs; computing rations for farm animals, including horses, cattle, sheep and swine; methods of feeding and caring for farm animals.

Dairy Husbandry 104. Market Dairying. *Second year, second semester.* This is a study of approved methods of producing and handling milk for direct consumption; requirements of city boards of health and states for sanitary milk; rules and methods of inspection of dairy plants and milk depots; productions of certified milk.

Dairy Husbandry 106. Dairy Herd Management. *Second year, second semester.* A study of the origin, development and characteristics of the dairy breeds; methods of registration and requirements for advanced registry; selection, feeding and handling of the dairy calf, the bull, the heifer and mature cow, and problems of herd management. In laboratory practice is given in scoring cattle and comparative judging of animals.

DRILL AND MILITARY SCIENCE

Lieutenant Amory

Drill. See college courses.

Military Science 101. *Second year, from December 1st to April 1st, 1 hour per week.* Required of non-commissioned officers, elective for others. Similar to sophomore course.

In addition to the above, both classes of the school of agriculture are required to take lectures in military science from December 1st to April 1st. See college courses.

Camp. See college courses.

ENGLISH

Miss Wallace

English 101-102. *First year, both semesters.* This course aims to develop good English usage. Special attention will be given to the practical application of the principles of composition.

English 103. *Second year, first semester.* The object of this course will be to familiarize the students with types of literature applicable to their needs and interests. A certain amount of outside reading will be required of the students.

English 104. *Second year, second semester.* The literary periods with their representative authors and works will be studied thoroughly. Outside reading will be required. For School of Home Economics.

FARM MECHANICS

Professor Fitts and Mr. Duffee

Farm Mechanics. *Second year, first semester.* A course dealing with the use and care of farm tools and machinery, including a study of the mechanical principles involved in the mechanical operations of the farm.

FORGING

Professor Fitts

Shop Work 102. Forging. *First year, second semester.* The exercises consist of drawing, bending, and welding of iron, and the forging, filing and tempering of steel.

FORESTRY

Mr. Moss

Forestry 102. *Second year, second semester.* An elementary course designed primarily to familiarize the student with the chief trees of economic importance in the state, and to give approved methods of handling a woodlot, with some idea of timber measurement and the general problems of forestry management and protection.

GERMAN

Miss Thompson

German 101 and 102. Elementary German. *Both semesters, second year.* Grammar, sight reading and translation of simple texts.

HISTORY AND CIVICS

Professor Monteith

History and Civics. *Second year, first semester.* History of the United States, with special reference to political questions, and the development of the West. One hour a week. Civics. The constitution, the Town, and a general view of the Federal and State governments, and their relations. Two hours a week, lectures and quizzes.

HORTICULTURE

Mr. Stevens and Mr. Hollister

Horticulture 102. *First year, second semester.* Includes the divisions and foundations of horticulture, propagation of plants by various methods, seed inspection and identification, and seed germination. Location and soils for market gardening and trucking, location and planning of home gardens; planting, cultivation, harvesting, storing and marketing of the principal vegetable crops.

Horticulture 103 and 104. Fruit Growing. *Second year, both semesters.* The work of this course covers the several phases of fruit growing. The beginning of the first semester fruit harvesting and handling are taken up, followed by the study of the locations, soils, sites, propagation, cultivation and handling of nursery stock; laying out and setting orchards, pruning, fertilization and cover crops, also a study of varieties and scoring of fruits.

The second semester continues the work on small fruits, their propagation, soils, locations, fertilizers, cultivation, harvesting, varieties, etc. A study of the common spray materials, pumps, etc., also the more common diseases and methods of control occupies the remainder of the year.

Laboratory is actual work in the orchard as far as is possible.

Horticulture 106. *Second year, second semester.* A course designed to give the student a practical knowledge of how plants are propagated; location, planning, planting, and care of the home garden; a study of the common fruit trees and small fruits; sprays to use for the various plant troubles; treatment of the home grounds in connection with flower beds and the use of ornamental shrubs and trees. The laboratory work will consist of the practical application of the principles given in the class room. Special course for School of Home Economics.

HOME ECONOMICS

Miss Hayes, Mrs. Cousley and Miss Costello

Home Economics 101-102. Cooking. *First year, both semesters.* (a) Practice in simple home cooking as follows: Study of fuels and cooking apparatus with special attention to labor-saving utensils such as the fireless cooker, bread-mixer, etc. Processes of cooking, the preparation of cereals, fruits, beverages, milk products, eggs, meat and fish, vegetables, batters, bread and simple desserts being emphasized. Simple meals are planned, cooked, and served by the class as the natural outcome of their practice in cooking. (b) Recitations, reference reading and note-taking upon topics such as the use of food in the body, food production and manufacture, care and preservation of food, etc. Simple experiments in physics and chemistry which relate to food are done by the class in connection with the study of each food stuff.

Home Economics 103-104. Cooking. *Second year, both semesters.* (a) Continuation of the practical work in cooking, laying greater stress upon the independence of thought and work of the student as her familiarity with the technique of cooking increases. Practice in canning and preserving, and in the preparation of salads, "left overs," cakes and desserts is emphasized. (b) The recitations and experimental work consist of individual planning and serving of meals in connection with the study of the family dietary; consideration of the properly balanced ration and "100 calorie portion" with direct reference to particular food requirements; the planning of a week's menu for the home table for a specified amount. As a practical test, each student is required to plan, cook and serve a day's meals for four people. Throughout the two years the reading and use of government and experiment station bulletins are required of students. Text book, Kinne & Cooley's Foods and Household Management.

Lessons in milk testing, butter and cheese making, poultry dressing, and ice cream freezing are given in co-operation with the dairy and poultry departments.

Home Economics 105. Housewifery. *First year, first semester.* This course includes practical work in laundering and the care of the house.

A. Laundry Work. The principles and processes included in laundry work; the equipment and materials required to do good work in the home laundry, and the use and economy of labor-saving appliances. Practical work in the processes of laundering, sorting, soaking, removal of stains, etc., special methods of washing different fabrics, starching, ironing, and folding. Simple experiments with hard and soft water, soap making, compositions of bluing, etc. are done by the class.

B. The kinds of service needed in the home, the equipment and daily care of kitchen, living room, and bed rooms; sweeping, dusting and cleaning; treatment of floors, paint, metals, etc.

Home Economics 107. Household Management. *Second year, first semester.* This course includes a study of the house, its construction, sanitation and equipment, the division of expenditure and simple household accounts; the purchase and care of food, clothing, and house furnishings; and other questions which may relate to the maintenance of a well-ordered home.

Home Economics 110. Personal Hygiene. *First year, second semester.* A brief survey through lectures and recitations of important facts of physiology, with special relation to the care of the body in health, importance of exercise and rest, fresh air and bathing, proper food and clothing.

Home Economics 112. Home Nursing. *Second year, second semester.* This course is intended to give instruction in the treatment of emergencies, in first aid to the injured and in simple methods of caring for the sick when the services of a professional nurse are not required. Recitations and lectures.

Practical work includes care of the sick room, bed making, bandaging, preparation of poultices, use of disinfectants, etc. Diet for the sick and convalescent, including the arranging of trays, preparing and serving gruels, broths, milk and egg dishes, jellies and special diets.

Home Economics 113-114. Sewing. *First year, both semesters.* The fundamental principles and processes of hand and machine sewing.

(a) **Hand Sewing.** The stitches required are to be mastered as a means rather than as an end. Hence the making of models or samples is avoided as far as possible, and the stitches are applied directly to bags of various kinds, pincushions, needlebooks, iron holders and other articles that may be suggested through class discussion or class needs.

(b) **Machine Sewing.** Use and care of the sewing machine and its attachments, practice in machine sewing, to gain technique, on simple articles, such as aprons, dish towels, pillow cases, etc.

(c) **Combination of Hand and Machine Sewing.** Making undergarments as skirts, nightgowns, kimonas from patterns.

(d) **Repairing Garments.** Darning and patching by hand and by machine is taught throughout the year as an important part of needlework, and special practice is given in relation to the needs of each student's wardrobe.

(e) Discussion and experiments in connection with the sewing lessons cover such topics as: the best materials to buy for various purposes; the collection and testing of samples of cloth by washing, shrinking, burning, putting in the sun, etc., study of textiles, their properties and uses; the health of the body in respect to clothing, planning, cost and care of the wardrobe, etc. Text book—Kinne & Cooley's Shelter & Clothing.

Home Economics 115-116. Dressmaking. *Second year, both semesters.* The second year work in sewing commences with a study of patterns, their construction as related to the form of the body. Practice in free-hand cutting of patterns and simple crinoline or paper modelling precedes the work in drafting, which is for immediate use in the making of a garment. The shirt-waist draft is used as a guide in the making of a waist. Adaptations of the above drafts or patterns are employed in the making of more elaborate dresses, and the work covered in the year depends upon the speed and needs of the class.

Practice in fine hand sewing will be given in the making of a dress for a young child.

A definite period of time each week is used for class discussion along the following lines: The evolution and history of costume with reference reading and pictures; comparison between ready-made and home-made garments as to cost and wearing qualities; chemical tests to show fabric adulteration, the work of Consumers' Leagues, and other questions which may be profitably considered in the course.

Home Economics 117-118. Applied Design 1. *Second year, both semesters.* This course studies the principles of simple design. Problems in line, spacing, repetition, arrangement and the use of conventional and natural units of design are carried out, using pencil, crayon, India ink or water colors, and are applied directly to needlework and embroidery. The work is also related to the study of costume.

Home Economics 119. Millinery and Embroidery. *Second year, first semester.* A. The millinery course consists of the making of a spring hat and the application of simple trimmings, bows, flowers, etc., and the renovating of hats and materials. B. The embroidery course is to teach simple embroidery stitches and their applications to garments and other articles of use and ornament.

MATHEMATICS

PROFESSOR WHEELER

Mathematics 101. Advanced Arithmetic. A review of arithmetic with special applications.

MUSIC

MISS THOMPSON

Music 102. Sight Singing. *First year, second semester.* This work will include some theory of music, some solfeggio, and a little study of tone production, aiming to make class singing more intelligent, accurate and musical.

NATURAL HISTORY

MR. MANTER

Entomology 102. *First year, second semester.* This course in entomology deals in an elementary way with the anatomy, classification and behavior of insects. Special emphasis is laid upon the life histories and control measures of the most important insect pests. Field trips are taken to enable the student to study types of insect injury and the insects causing the damage. The aim of the course is to enable the student to fight intelligently the many insect enemies found upon every farm.

PHYSICS

PROFFESSOR WHEELER

Physics 102. *First year, second semester.* The mechanics of solids, liquids, and gases are studied with a view to enlarging the student's understanding of the phenomena of nature, with more adequate treatment of such subjects as have a direct bearing on agricultural and home economics.

PHYSICAL EDUCATION

Professor Chase

Physical Education 101. Same as Physical Education 1. (College).

Physical Education 102. Same as Physical Education 2. (College).

Physical Education 103-104. Same as Physical Education 3. (College).

POULTRY HUSBANDRY

Professor Kirkpatrick and Mr. Warner

Poultry Husbandy 102. Poultry Culture. *First year, second semester.* Text books and lectures. This course, including both the topics discussed and the laboratory work, is very similar to Course 1 for college freshmen.

Poultry Husbandry 104. Poultry Management. *Second year, second semester.* Text books and lectures. The course continues and amplifies course 102, which is prerequisite. It is designed to acquaint the student with the essential details of planning and managing commercial poultry plants.

PUBLIC SPEAKING

Miss Wallace

Public Speaking 102. *First year, second semester.* Fundamental work in voice and body. Practical application in extemporaneous speaking and debating. No text book used.

VETERINARY SCIENCE

Doctor Dow

Veterinary Science 101. *Second year, first semester.* Anatomy and physiology of the digestive and respiratory systems. Special pathology. Disease and treatment: a general study of the common diseases of domestic animals, with treatment that may be safely used by the herdsman; special diseases of the dairy cow and young calves; prevention and treatment of the common contagious and parasitic diseases. Surgery: castration, dehorning, general care and treatment of wounds and injuries.

Appointments and Honors

Military Appointments 1916-1917

Captain	L. F. Lawrence
Captain	E. L. Newmarker
Captain	W. D. Shea
1st Lieutenant and Adjutant	A. C. Sheldon
1st Lieutenant and Quartermaster	G. L. Prindle
1st Lieutenant	J. B. Kilbride
1st Lieutenant	H. D. Munroe
1st Lieutenant	A. B. Watson
2nd Lieutenant	J. G. Shirley
2nd Lieutenant	N. A. Cohen
2nd Lieutenant	H. A. Weidlich
2nd Lieutenant Signal Detachment	A. C. Klingman
Chief Musician	W. J. Ungethuem
Sergeant Major	J. A. Kuelling
Color Sergeant	F. M. Trinder
Color Sergeant	W. B. Smith
Principal Musician	S. W. Mead
1st Sergeant	T. H. Beich
1st Sergeant	S. B. Morse
1st Sergeant	S. DeWolfe
Quartermaster Sergeant	A. T. Busby
Drum Major	A. I. Horne
Sergeant	D. Traurig
Sergeant	A. C. Marquardt
Sergeant	W. L. Francis
Sergeant	J. H. Hilldring
Sergeant	R. H. Barrett
Sergeant	H. M. Rogers
Sergeant	J. S. Miller
Sergeant	C. E. Ryan
Sergeant	P. L. Sanford
Sergeant	F. B. Thompson
Sergeant	A. W. Miller
Sergeant	D. H. Horton
Sergeant in Signal Detachment	A. L. Hoffman
Sergeant in the Band	E. N. Dickinson

Corporal	H. B. Goodrich
Corporal	L. C. King
Corporal	F. L. Scofield
Corporal	E. W. Crampton
Corporal	W. L. Kimball
Corporal	E. J. Bailey
Corporal	H. A. Hopwood
Corporal	W. C. Edwards
Corporal	A. E. Upham
Corporal	G. T. Cannon
Corporal	E. F. Meagher
Corporal	H. Kaseowitz
Corporal	A. C. Mallett
Corporal	H. H. Gleason
Corporal	H. B. Bridges
Corporal in the Band	T. D. Mason
Corporal in Signal Detachment	C. A. Barnes

Honors in Scholarship, 1915-1916

GRADE A

J. B. Kilbride, 1917

GRADE B

SENIORS

R. C. Ackerman
B. T. Avery, Jr.
J. R. Case
I. F. Fellows
D. G. Horton
C. E. Lee
B. A. McDonald
J. F. Ransom
H. S. Schwenk

JUNIORS

J. A. Kuelling
H. D. Munroe
E. L. Newmarker
W. D. Shea
A. C. Sheldon
J. G. Shirley
W. J. Ungethuem
A. B. Watson

SOPHOMORES

R. H. Barrett
T. H. Beich
A. T. Busby
W. L. Francis
A. C. Marquardt
S. B. Morse
H. M. Rogers
P. L. Sanford

SECOND YEAR MECHANIC ARTS

F. G. Lyon

FRESHMEN

C. R. Brock
E. W. Crampton
L. L. Crosby
H. B. Goodrich
W. L. Kimball
L. C. King
A. E. Upham

SECOND YEAR SCHOOL OF AGRICULTURE

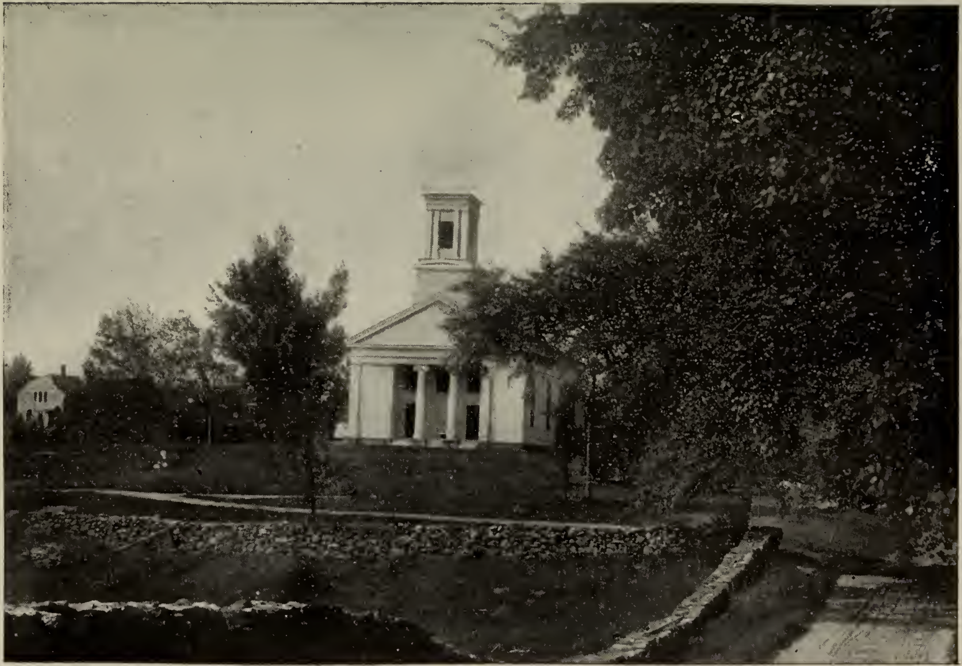
B. A. Brown
H. M. Crompton
A. C. Gustafson
W. E. Piper, Jr.
E. W. Whitham
F. V. Williams

SECOND YEAR SCHOOL OF HOME ECONOMICS

Helen E. Blake
Elsie M. Garrigus

FIRST YEAR SCHOOL OF AGRICULTURE

J. E. Ayer
G. T. Cannon
E. D. Dow
W. C. Edwards
M. Horwitz
H. Kaseowitz
F. L. Scofield
D. L. Thomsen



CONGREGATIONAL CHURCH.

BEEF CATTLE.

Students

1915-1916

POST GRADUATES

Blake, George Ryerson	Storrs
Downs, Paul Andrew	Storrs
Earley, Theodore Andrew	Seymour

SENIORS

Ackerman, Ralph Christy	New Haven
Allen, Willard Harry	Danbury
Avery, Billings Theophilus, Jr.	Norwich
Cahill, Maurice Richard	East Hampton
Case, James Royal	Colchester
Costello, Harry Anthony	Eagleville
Crowley, James Leo	Westerly, R. I.
Dooley, Donald Vincent	Georgetown
Fellows, Imbert Franklin	Norwich Town
Henry, Ralph Irving	Brooklyn, N. Y.
Hill, John	Norwich Town
Horton, Daniel Gott	Hebron
Hurlbut, Harold	Yalesville
James, Raymond Thomas	New Britain
Lee, Clarence Edgar	Deep River
Lyons, Edward Benedict	New Rochelle, N. Y.
McDonald, Bernard Alphonsus	Thomaston
Metcalf, Arthur Boyd	New Haven
Miller, Frank Pierpont	Waterbury
Minor, Leigh Downs	Bristol
Persky, Harry	New Haven
Ransom, Julius Ford	Windsor
Renehan, Edward Joseph	Union City
Rice, John William	Beacon Falls
Salsbury, Joseph Barnum	New Haven
Schmidt, Theodore Budd	Hartford
Schwenk, Harold Spencer	South Meriden
Stretch, Eliot Buckingham	Meriden

Marquardt, Adrian Cyrus	Groton
Miller, Allie Waldron	Southwick, Mass.
Morse, Sanford Boughton	Cleveland, Ohio
Oliver, Clinton Allen	Clark's Corner
Reid, James, 3rd	Worcester, Mass.
Rogers, Hilan Marcus	Waterbury
Ryan, Cornelius Edward	Beachmont, Mass.
Sanford, Percil Lyman	Hadlyme
Tappert, Adolph Gustave	Plantsville
Thompson, Francis Benjamin	Worcester, Mass.
Wiepert, George Douglas	New Haven

FRESHMEN

Averill, Heman Perry	Washington Depot
Bird, Arthur Conrad	Waterbury
Bridges, Harold Burnett	Worcester, Mass.
Brock, Charles Raymond	Whitneyville
Burnham, Charles Nelson	Middlefield
Cassel, Lawrence Wells	Stratford
Crampton, Earle Wilcox	Middletown
Crane, William Burdett	Mansfield Center
Crosby, Lincoln Luzerne	Manchester
Dahinden, Albert Gilbert	Seymour
Davis, Harold Cheney	Waterbury
Durham, George Benjamin	Roslindale, Mass.
Ely, Ernest Stiles	Lyme
Gerhardt, William Begg	Colchester
Gleason, Howard Henry	Worcester, Mass.
Goodrich, Howard Buck	Rockfall
Hale, Harry Leslie	Gildersleeve
Hale, Truman Hudson	Gildersleeve
Hawkins, Vincent	Oneco
Hirsh, Donald Jacob	New York City
Hopwood, Harry Alfred	Beacon Falls
Kent, Philip Morrill Shoals	Forestville
Kimball, William Lincoln	Orange, Mass.
King, Lloyd Coldwell	Millis, Mass.
Leschke, Emil Rudolph	Hartford
Luther, Edwin Marshall	Hadlyme
Mallett, Alfred Curtis	Stratford
Manwaring, Paul Nelson	Terryville
Mason, Thomas Dickinson	Farmington
Mattoon, Robert Treat	New Haven
Meagher, Edmond Francis	New London
Reeve, Arthur John	Unionville

JUNIORS

Barnes, Clark Amos	Mystic
Cohen, Nathan Abraham	Hartford
Gillis, John William	New Haven
Gross, Paul Gerhard	Danbury
Harris, Russell Spencer	New London
Hoffman, Abraham Louis	New Haven
Kilbride, Joseph Benedict	New Haven
Klingman, Albert Charles	Richmond Hill, N. Y.
Knight, Rixford	Ansonia
Kuelling, John Albert	Brooklyn, N. Y.
Lawrence, Leslie Frederick	Ansonia
Mead, Sylvester Warren	Greenwich
Munroe, Henry Dodge	Campello, Mass.
Newmarker, Edward Lewis	Rockville
Norton, Julian Harwood	Bristol
Peizer, David Israel	Hartford
Prindle, George Lyman	Shelton
Shea, William Daniel	Waterbury
Sheldon, Alfred Charles	West Suffield
Shirley, James Gilchrist	Springfield, Mass.
Smith, Walter Bennett	New Haven
Traurig, David	Waterbury
Trinder, Frederick Monroe	New Britain
Ungethuem, Walter Julius	Westfield, Mass.
Watson, Arthur Burnley	Unionville
Weidlich, Henry August	Hartford

SOPHOMORES

Barrett, Rollin Hayes	New London
Beich, Thomas Henry	Boston, Mass.
Brown, William Harold, Jr.	Danbury
Brundage, Walter Fanton	Danbury
Busby, Alan Thacker	Worcester, Mass.
Clark, Walter Thompson	Granby, Mass.
Collin, Louis Henry, Jr.	New York City
Dickinson, Elmer Newton	Glastonbury
Dillon, Joseph Raymond	Hartford
Edwards, Sidney Ackley	Naugatuck
Francis, Walter Lyman	Glastonbury
Hilldring, John Henry	New Rochelle, N. Y.
Horne, Alton Irving	West Lynn, Mass
Horton, Daniel Hart	Brooklyn, N. Y.
Hunt, George Clayton	Worcester, Mass.
Leffingwell, Harold Neale	Willimantic

St. Germain, Albert Edward	New London
Shneider, Louis Nathan	Ansonia
Upham, Alfred Emmons	Waterbury
Wheeler, Noyes Denison	North Stonington
Wills, Carroll Dwight	Norwalk
Yellen, Jacob Joseph	Hartford

TWO YEAR COLLEGE COURSE IN MECHANIC ARTS

Sophomores

Lyon, Fred Gregory	Danbury

Freshmen

Blackburn, Arthur Hamilton	Danbury
Moore, Earl Russell	Winsted

FOUR YEAR COLLEGE COURSE IN HOME ECONOMICS

Freshmen

Clark, Helen Louise	Glenbrook
Daggett, Gladys Viola	Moosup

SPECIAL STUDENTS IN COLLEGE COURSES

Amory, Margaret	Storrs
Bailey, Egbert James	Orange, N. J.
Baldwin, Roger Sherman	New Haven
Beauregard, Louis Joseph	Mansfield Center
Brody, Simon	Hartford
Butterworth, Henry	New York City
Coley, Henry Wakeman, Jr.	Westport
Davison, John Ralph	Worcester, Mass.
DeWolfe, Sinclair	Bridgeport
Emmons, Edward Norton	North Bennington, Vt.
Feeney, Cyril Martin	Fall River, Mass.
Gould, Louise Elizabeth	Providence, R. I.
McMahon, William Patrick Sarsfield	New Britain
Miller, Joseph Solomon	Meriden
Murphy, Desmond	Norwich
Sahlin, Mauritz Frederick	Bristol

SCHOOL OF AGRICULTURE

Second Year

Anderson, Victor Albert	Naugatuck
Brown, Benjamin Arthur	Colchester
Buell, Albert Apollos	New Britain

Butler, Samuel Allen	Meriden
Carey, Henry Hitchcock	Branford
Charter, LeGrand Frederick	Norwich
Colegrove, Samuel Vreeland	Morristown, N. J.
Crompton, Harold Mathewson	Lawrence, Mass.
Dickinson, Leonard Alvin	Litchfield
Foote, Arnold Chase	Andover
Foote, Elmer Harrison	Colchester
Green, Mortimer	Elizabeth, N. J.
Gustafson, Axel Conrad	Georgetown
Hart, William Delos	West Cornwall
Holmquist, Albin	Kensington
Isele, Walter	Bristol
Jenkins, Harry Kidder	Newton Center, Mass.
Many, Raymond Lincoln	Port Jefferson, N. Y.
McCall, Royce Frederick	Leonard Bridge
Piper, Walter Erving, Jr.	Quincy, Mass.
Quinlivan, John Robert	Wallingford
Ryder, William	Georgetown
Wheeler, George Arthur	Petersham, Mass.
Whitham, Erwin William	Kensington
Williams, Frank Vinton	Buckland
Wright, Wilford Holliday	Bridgeport

First Year

Ayer, Joseph Eugene	North Franklin
Ball, George Irving	Hackensack, N. J.
Barlow, Spencer Weston	Watertown
Bergstrom, Arthur Joseph	Cobalt
Bingham, James Clarke	Ridgewood, N. J.
Birdsall, Eugene Fowler	Walden, N. Y.
Brown, Ralph Weston	Central Village
Buckland, Thomas Earle	Hartford
Cannon, Gaylord Trowbridge	New Haven
Clark, Brigham Hartwell	Hartford
Crawford, Bertram Allison	Norwalk
Crawford, Joseph Myron	New Canaan
Cross, Edwin Leo	Hartford
Dow, Everett Duane	Hartford
Edwards, William Clarence	Shelton
Friedland, Fred Engles	Durham
Haines, Jason Samuel	Bridgeport
Homer, Willis Heald	New Haven
Hopkins, Harold Browning	Plainfield

Horwitz, Martin	New Britain
Huse, Leonard Marshall	Bethel
Jecusco, Nicholas Victor	Ansonia
Johnson, Arthur Nelson	Greenwich
Kaseowitz, Harold	Norwich
Knights, Homer Gilbert	Bernardston, Mass.
Libbey, George William	Morris
Loewe, Mitchell	Brooklyn, N. Y.
Manning, Eugene Arad	Yantic
McCarthy, John Thomas	Bridgeport
McLaughlin, Charles Lewis	Waterbury
McLay, Irving Forbes	New Haven
Moore, Leslie Bartlett	Winsted
Murdock, Edwin	North Adams, Mass.
Nolan, Frank Joseph	Milford
Rincones, Miguel Anthony	Brooklyn, N. Y.
Scofield, Frederick Leon	Brooklyn, N. Y.
Slee, Warren Hudson	Aberdeen, Md.
Storrs, Stedman William	Mansfield Center
Stowe, Cornelius Ard	Milford
Strong, Noble Benoni	Cornwall Bridge
Thomsen, Donald Laurence	Paterson, N. J.
Tomlinson, William Peck	Woodbridge
Ude, Franz Edward	Suffield
Weldon, Thomas Carter	South Manchester

SCHOOL OF HOME ECONOMICS

Second Year

Aspinwall, Eleanor May	Berlin
Blake, Helen Edith	Storrs
Garrigus, Elsie May	Storrs
Munckton, Margaret	Des Moines, Iowa

First Year

Luskay, Margaret Catherine	Oxford
Pierce, Mari Marguerite	Suffield
Swenson, Lillian Helen	Waterbury
Woldag, Anneliese	Suffield

WINTER SHORT COURSE (1916)

Beardsley, L. B., Jr.	Monroe, Stepney Depot
Benjamin, Theodore S.	West Goshen
Bergen, Paul C.	Unionville
Blake, Ralph V.	Winsted
Brookenstein, David	Warehouse Point

Bushnell, Arthur E.	Canterbury
Cartwright, Helen W.	Hampton
Critchlow, Warren	Burnside
Deming, Harvey J.	Colebrook
Gilbert, George F.	Wilton
Kominsky, Louis	Colchester
Koplin, Ida	Windsor Locks
Magyar, James	Bridgeport
Melbourne, Edwin J.	Naugatuck
Middlebrook, George	Wilton
Miller, Flora M.	Storrs
Ogden, F. C.	Wilton
Pickhardt, Emile F.	Port Chester, N. Y.
Rabinovitz, Lena	West Haven
Randall, Henry S.	Washington
Reed, Raymond	New Britain
Roberts, Theodore W.	Riverton
Howley, Thomas F.	Colebrook River
Russell, Frank C.	Bridgeport
Talbot, Adrian B.	Ridgefield
Tourgee, J. LeRoy	Groton
Warner, Daniel	Bridgewater
Wooster, Edward B.	Bridgewater
Wilson, Raymond H.	Wolcott

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C. A. C. BULLETIN

VOL. 13 AUGUST, 1917 NO. 4

CURRENT TO JULY, 1918

CATALOG NUMBER

ANNOUNCEMENTS FOR 1917-18

PUBLISHED BY
THE CONNECTICUT AGRICULTURAL COLLEGE
STORRS, CONNECTICUT

Entered as second-class matter at Eagleville, Conn.

COURSES OF STUDY

College Courses of Four Years Leading to the Degree of Bachelor of Science

1. Course in Agriculture, with group selection for prospective farmers, rural leaders, extension workers, high school teachers and research workers in sciences related to Agriculture.
2. Course in Mechanic Arts.
3. Course in Home Economics.

Secondary Course of Two Years

1. Course in Agriculture.

CHARLES LEWIS BEACH,
President.

The college reserves the right to make without previous notice such changes as the interests of the institution seem to demand.

CATALOG

OF THE

CONNECTICUT AGRICULTURAL COLLEGE

STORRS, CONNECTICUT

ANNOUNCEMENTS FOR 1917-18

HARTFORD
Published by the State
1917

Publication

Approved by

The Board of Control

Chas. M. Gaines, Printer

HISTORICAL SKETCH OF THE CONNECTICUT AGRICULTURAL COLLEGE

In January, 1881, the Connecticut General Assembly established the Storrs Agricultural School, an institution which had its beginning in the public spirit of Mr. Augustus Storrs and Mr. Charles Storrs, his brother, natives of the town of Mansfield, where the school was located. The object of the school, as stated in the act establishing it, was the "education of boys whose parents are citizens of this state in such branches of scientific knowledge as shall tend to increase their proficiency in the business of agriculture."

A period of growth and development followed, in which the name of the institution was changed to Storrs Agricultural College, and in which the board of trustees admitted young women, providing for them education in such branches of knowledge as tend to increase proficiency in the arts of housekeeping and homemaking.

As a college, this institution fell heir to federal income, proceeds from the land-grant act of 1862 and the Morrill act of 1890; became responsible for half the agricultural experiment station work in this state, for which annual provision had been made by the Hatch act of 1887; and found itself under moral and legal obligations to maintain the standard and the scope of education appropriate to the land-grant colleges, one of which by the acceptance of the federal support it had become.

The name Storrs Agricultural College was believed to be misleading. It seemed to designate a private institution. Therefore, to make manifest to all who might see or hear its name that this is a state institution, maintained by, and designed and conducted for the benefit of all citizens, its name was changed by the General Assembly to Connecticut Agricultural College, the name it now bears.

STORRS AGRICULTURAL EXPERIMENT STATION.

The Storrs Agricultural Experiment Station was established by act of Congress approved March 2, 1887, and accepted by resolution of the General Assembly, May 18, 1887. By order of the trustees it is a department of the agricultural college.

The purpose of the experiment station is the promotion of agricultural science by investigation and research, and by making experiments whose results may render practical and efficient aid to the farmers of the state in the pursuit of their calling.

As authorized by law, the station issues a biennial report and frequent bulletins. The latter are now printed in editions of ten to fifteen thousand. These reports and bulletins are free to all residents of the state upon application, and to others so far as the supply will allow.

The Connecticut Agricultural College

BOARD OF TRUSTEES

The Governor of Connecticut	Ex-Officio

MARCUS H. HOLCOMB, Southington

Appointed by the Governor	Term Expires
JOSEPH W. ALSOP, Avon	1921
CHARLES M. JARVIS, Berlin	1921
E. KENT HUBBARD, Middletown	1921
Appointed by the Senate	
E. STEVENS HENRY, Rockville	1919
CHARLES E. LYMAN, Middlefield	1919
IVERSON C. FANTON, Westport	1919
Elected by the Alumni	
OLCOTT F. KING, South Windsor	1919
HARRY G. MANCHESTER, Winsted	1921
Elected by the Board of Agriculture	
CLIFFORD I. STODDARD, New Haven	1917

Officers of the Board

The Governor, MARCUS H. HOLCOMB	President
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Officers of Instruction and Administration

FACULTY

CHARLES LEWIS BEACH, B. Agr., B. S.
President

INSTRUCTORS IN ORDER OF SENIORITY IN SERVICE

* ALFRED GURDON GULLEY, M. S.
Professor of Horticulture
CHARLES AUGUSTUS WHEELER, M. A.
Professor of Mathematics
HENRY RUTHVEN MONTEITH, A. B.
Professor of History and English
EDWINA WHITNEY, Ph. B.
Instructor in German, and Librarian
HARRY LUCIAN GARRIGUS, B. Agr.
Professor of Animal Husbandry, Farm Superintendent
GEORGE HERBERT LAMSON, JR., M. S.
Professor of Zoology and Geology
JOHN NELSON FITTS, B. Agr.
Professor of Mechanic Arts
WILLIAM MERRILL ESTEN, M. S.
Professor of Bacteriology
ALVA TRUE STEVENS, M. S.
Instructor in Horticulture
BURT KIMBALL DOW, V. S.
Lecturer in Veterinary Science
HOWARD DOUGLAS NEWTON, Ph. D.
Professor of Chemistry
MAUD ELLEN HAYES, A. M.
Professor of Home Economics
SHERMAN PRESTON HOLLISTER, B. S. A.
Instructor in Horticulture
JOHN LEROY HUGHES, A. M.
Instructor in Chemistry
WILLIAM FRANKLIN KIRKPATRICK, B. E., B. Agr.
Professor of Poultry Husbandry
JERAULD ARMINGTON MANTER, B. S.
Instructor in Zoology
WILLIAM L. SLATE, B. S. Agr.
Professor of Agronomy
ANNA MARY WALLACE, Ph. B.
Instructor in English and Elocution

GEORGE CLEVELAND WHITE, B. S. A., A. M.
Professor of Dairy Husbandry
HENRY FORREST JUDKINS, B. S.
Associate Professor of Dairy Husbandry
ALBERT ERNEST MOSS, M. F.
Instructor in Forestry
MARGARET COSTELLO, B. S.
Instructor in Home Economics
DAVID EDMOND WARNER, B. S.
Instructor in Poultry Husbandry
EDMUND WARE SINNOTT, Ph. D.
Professor of Botany and Genetics
FLOYD WALDO DUFFEE, B. Sc. in Agr.
Instructor in Agronomy
GEORGE SAFFORD TORREY, A. M.
Instructor in Botany
GLENN HAROLD CAMPBELL, B. Sc. in Agr.
Instructor in Dairy Husbandry
CHRISTINE JENNIE MASON, B. Agr.
Instructor in Bacteriology
THEODORE HILDRETH EATON, Ph. D.
Professor of Agricultural Education, Secretary and Registrar
CORINNE RACHEL TAPLEY
Instructor in Home Economics
GUY CARLETON SMITH, Ph. B.
Professor of Agricultural Economics
HUGH BRUCE PRICE, A. M.
Instructor in Agricultural Economics
MAX F. ABELL, M. S.
Instructor in Farm Management

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*Deceased.

OTHER OFFICERS

GEORGE W. FRASER
Superintendent of Grounds
GEORGE A. BLAKE
Superintendent of Buildings
RAYMOND I. LONGLEY
Treasurer and Purchasing Agent
STELLA M. FINDLAY
Manager of Boarding Department
MARY A. DRISCOLL
Resident Nurse

FACULTY COMMITTEES

Course of Study—Agriculture

Professors Slate, Kirkpatrick, White, Lamson, Eaton

Course of Study—Mechanic Arts

Professors Fitts, Wheeler, Newton

Course of Study—Home Economics

Professor Hayes, and Misses Tapley and Whitney

Publicity

Mr. Campbell and Professors Smith, Judkins, Lamson and Eaton

Administration

Professors Slate, Wheeler and Kirkpatrick

Social Affairs

Professor Sinnott, Messrs. Torrey, Manter, and Miss Tapley

Student Employment

Mr. Stevens and Professors Garrigus and Kirkpatrick

Student Activities

Professors Newton, Wheeler, Judkins

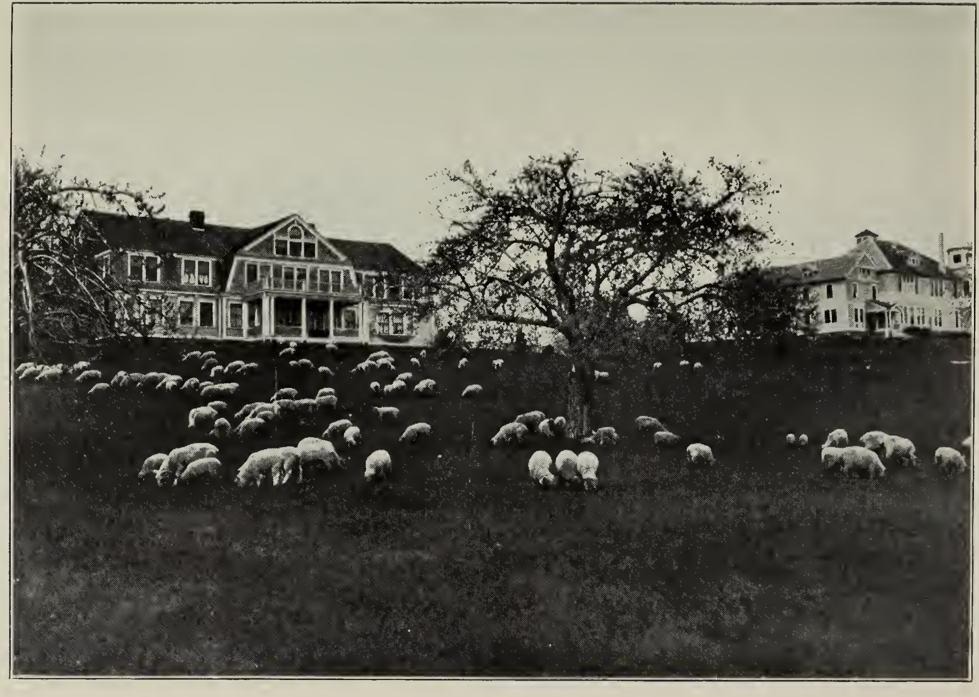
Athletic Council

Messrs. Edmond, Hughes and Professors Wheeler and Judkins

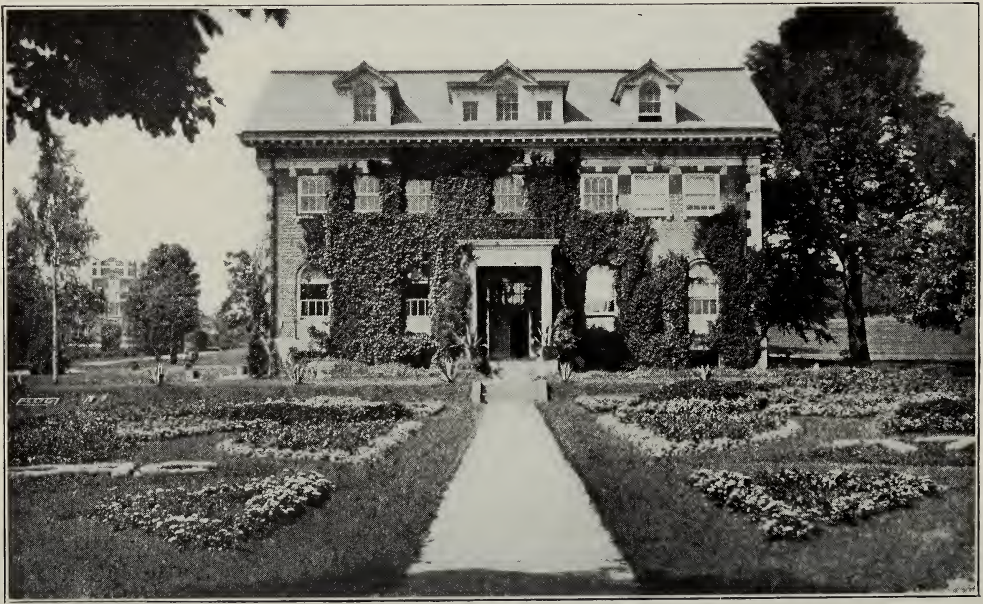
Student Advisors

For Freshmen, First Year School, and First Year Special Students by appointment at the time of registration

For others, the heads of the respective departments, according to the student's group selection



WAR-TIME LAWN MOWERS AT WORK BEFORE GROVE COTTAGE



HORTICULTURE BUILDING   ARMORY IN BACKGROUND

EXPERIMENT STATION STAFF

E. H. Jenkins, Ph. D., Director
W. L. Slate, Jr., B. S. Agr., Agronomist
Benjamin G. Southwick, B. Sc., Assistant Agronomist
B. A. Brown, Field Assistant in Agronomy
H. D. Edmond, B. S., Chemist
G. C. White, B. S. A., A. M., Dairy Husbandman
H. F. Judkins, B. S., Assistant Dairy Husbandman.
G. H. Lamson, M. S., Zoologist
Wm. F. Kirkpatrick, B. E., B. Agr., Poultry Husbandman
Leslie E. Card, B. S., Assistant Poultry Husbandman
Leo F. Rettger, Ph. D., Bacteriologist, Investigations of Animal Diseases

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EXTENSION SERVICE

H. J. Baker, B. S., Director
I. G. Davis, B. A., State County Agent Leader and Farm Management Demonstrator
A. J. Brundage, Boys' Clubs
Miss M. E. Sprague, Girls' Clubs
R. E. Jones, Poultryman
K. B. Musser, A. M., Dairyman
B. A. McDonald, B. S., Assistant Farm Management Demonstrator
Miss M. E. Hayes, A. M., Home Economics
T. H. Eaton, Ph. D., Agricultural Education
G. C. Smith, Ph. B., Agricultural Economics
S. P. Hollister, B. S., Fruit Growing
B. G. Southwick, B. Sc., Agronomist
J. A. Simms, B. S., Pig Clubs and Swine Work
F. C. Warner, B. S., County Agent, New London County
S. J. Wright, B. S., County Agent, Fairfield County
A. W. Manchester, B. S., County Agent, Litchfield County
B. W. Ellis, B. S., County Agent, Windham County
E. A. Brown, B. S., County Agent, Hartford County
A. B. Cook, B. S., County Agent, North New Haven County
L. F. Harvey, B. Agr., County Agent, South New Haven County
J H. Fay, B. Agr., County Agent, Middlesex County
J. E. Gifford, B. S., County Agent, Tolland County
Miss A. B. Knowlton, Home Demonstration Agent, New Haven County
Miss N. J. Campbell, Home Demonstration Agent, New London County
Miss A. B. Foote, B. S., Home Demonstration Agent, Middlesex County
Mrs. J. M. Dean, Home Demonstration Agent, Hartford County

DIRECTIONS TO PROSPECTIVE STUDENTS

You should read carefully this catalog, particularly those sections headed Requirements for Admission, and Students' Expenses.

1. Write for the formal application blank, answer the questions it contains, and mail it as early as possible to the President in order to facilitate dormitory and dining room arrangements.
2. Check trunks and send express packages to Willimantic. Address freight to Eagleville. Be sure to tag all packages and baggage with your name and the correct destination.
3. Write to the Secretary of the Connecticut Agricultural College stating the date and time of your arrival.
4. Upon arrival at the college, call at the office of the Registrar, for registration and directions.
5. Read carefully announcements on the bulletin board.

CALENDAR FOR 1917-18

1917

JULY

S.	M.	T.	W.	T.	F.	S.
1	2	3	4	5	6	7
8	9	10	11	12	13	14
15	16	17	18	19	20	21
22	23	24	25	26	27	28
29	30	31	..	..	..	..

AUGUST

..	..	..	1	2	3	4
5	6	7	8	9	10	11
12	13	14	15	16	17	18
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SEPTEMBER

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30	..	..	..	..	..	..

OCTOBER

..	1	2	3	4	5	6
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14	15	**16**	**17**	18	19	20
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28	29	30	31	..	..	..

NOVEMBER

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25	26	27	28	**29**	30	..

DECEMBER

..	..	..	..	..	..	1
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23	24	**25**	26	27	28	29
30	31	..	..	..	..	..

1918

JANUARY

S.	M.	T.	W.	T.	F.	S.
..	..	**1**	2	3	4	5
6	7	8	9	10	11	12
13	14	15	16	17	18	19
20	21	22	23	24	25	**26**
27	**28**	29	30	31	..	..

FEBRUARY

..	..	..	..	..	1	2
3	4	5	6	7	8	9
10	11	12	13	14	15	16
17	18	19	20	21	**22**	23
24	25	26	27	28	..	..

MARCH

..	..	..	..	..	1	2
3	4	5	6	7	8	9
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17	18	19	20	21	22	23
24	25	26	27	28	29	30
31	..	..	..	..	..	..

APRIL

..	1	2	3	4	5	**6**
7	8	9	10	11	12	13
14	15	16	17	18	19	20
21	22	23	24	25	26	27
28	29	30	..	..	..	..

MAY

..	..	..	1	2	3	4
5	6	7	8	9	**10**	**11**
12	13	14	15	16	17	18
19	20	21	22	23	24	25
26	27	28	29	30	31	..

JUNE

..	..	..	..	..	..	1
2	3	4	5	6	7	8
9	10	11	12	13	14	15
16	17	18	19	20	21	22
23	24	25	26	27	28	29
30	..	..	..	..	..	..

ACADEMIC CALENDAR

1917-18

1917.

Oct. 16—Tuesday—Registration for all students.

Oct. 17—Wednesday—First semester begins with College Assembly at 7.45 A. M.

Nov. 29—Thursday—Thanksgiving Day, a holiday.

Dec. 25—Tuesday—Christmas Day, a holiday.

1918.

Jan. 1—Tuesday—New Year's Day, a holiday.

Jan. 26—Saturday—First Semester closes at 12 M.

Jan. 28—Monday—Second Semester begins with College Assembly at 7.45 A. M.

Feb. 22—Friday—Washington's Birthday, a holiday.

April 6—Saturday—Last day for submitting forensics for Ratcliffe-Hicks prize.

May 4—Saturday—Ratcliffe-Hicks prize oration contest.

May 5—Sunday—Baccalaureate Service.

May 10—Friday—Class work ceases at 12 M.

May 11—Saturday—Commencement.

AIMS

The aim of the college is to prepare young men and women for meeting the problems of leadership in rural affairs and in the life pursuits related to Agriculture, Homemaking and the Mechanic Arts. Since it is the individual as man or woman who is to be educated, training and instruction are not limited merely to productive activities and technology. Though, in the study of vocation, full recognition is given to the liberalizing value of understanding of the fundamental work of the world, cultural values are not sought in that study only, but also in the less immediate relations of language, literature, history and pure science. The curriculum is designed to provide, so far as circumstances permit, opportunity for the farmer, farm manager, research worker, extension worker, teacher, or demonstrator, to enter intelligently into his occupation and with appreciation into active life as a member of society.

In the school course in Agriculture, offered to those of less than full high school training, the aim of immediate proficiency in the meeting of farm problems is outstanding. The education of the farmer, rather than education for the farm, is still the determining factor in the selection of studies and methods, but the scope of all subjects is more definitely limited to knowledge and skill at once applicable to production. Graduates of the school course are prepared to enter intelligently upon farm work.

EXTENSION TEACHING

The aims stated above indicate the policy of the college as an educative agency, but they refer particularly to the organization of the course of study and methods of instruction to the student at the college. A further function of first class and rapidly growing importance is that of taking to the farm and the home usable knowledge and practicable methods in Agriculture and Home Economics. For the carrying out of this purpose there has been established by joint action of the State of Connecticut and the government of the United States the corps of specialists of the Extension Service.

LOCATION

The Connecticut Agricultural College is located in the town of Mansfield, Storrs post office, eight miles north of Willimantic. Freight and express are hauled from Eagleville on the Central Vermont Railroad, three miles and a half from the college. Passenger service is for the most part by automobile bus from Willimantic over a gravel and macadam road.

The site of the college is on high, well-drained land, commanding a wide prospect of unusual beauty. The campus is well laid out, large and very attractive.

BUILDINGS

Main Building—The Main Building, erected in 1890, is a two-story, wooden structure. It is the administrative center of the college and houses the offices of the President, Registrar, and Treasurer, the Library and Reading Room, the Natural History Museum, College Chapel and Post Office. In the basement large rooms are equipped for wood work and machine work; on the upper floor are recitation rooms, and over the library a music studio and guest rooms.

Experiment Station Office—The offices of the director of the Experiment Station, the Station library and mailing room, are housed in a two-story frame building.

Whitney Hall—The offices of the Extension Service are in the original large frame building that housed the Storrs Agricultural School at its foundation. This bears the name Whitney Hall.

Chemistry Building—A story and a half frame building with basement and main floor laboratories, class room, and office of the department of Chemistry.

Grove Cottage—The women's dormitory and seat of the Home Economics department is a very homelike and attractive frame building.

Horticulture Building and Greenhouses—The Horticulture Building houses department offices, lecture rooms and laboratories, the Botanical laboratory and Physics laboratory. The range of greenhouses based upon the home and office of the Florist provides a laboratory, propagating house, vegetable forcing house, rose and carnation house, vinery, and tropic house for economic plants of warm countries.

Dairy Building—A three-story building of stone and brick equipped for the offices, laboratories and class rooms of the departments of Dairy Husbandry, Agronomy, and Bacteriology. Boilers, steam and gasoline engines, a refrigeration plant and gas plant serve to the modernization of laboratory conveniences.

Poultry Building—The poultry department is housed in a new four-story brick building, 42 by 63 feet.

Farm Buildings—The farm barn, 41 by 70 feet, with new addition, has feed storage capacity and accommodations for fifty head of dairy cattle. The horse barn, 40 by 80 feet, with new addition, is devoted to the housing of horses, vehicles, and feed. The additions to both of these barns recently made have largely increased their capacity. The additions are of hollow tile and cement construction. They were made upon an appropriation of $10,000 for each building. The farm has the use also of the barns upon the Jacobson place, now the property of the college.

Farm Machinery Building—A two-story building with cement floors and elevator was erected in 1915 for instruction in the operation and repairing of farm machinery.

Armory and Gymnasium—This is a brick and stone structure with slate roof and cement floors. One end is given over to a stage, dressing rooms and band room. The other has a reception room, offices for the physical director and the commandant, and faculty club room. The drill room and gymnasium has a floor 72 feet by 140 feet and a running track thirteen laps to the mile. In the basement are bowling alleys, shooting gallery, locker room and shower baths. Excavation has been made for a future swimming pool.

Dormitories, Storrs Hall—This is a semi-fireproof building with granite trimmings, erected in 1905 at a cost of $60,000. There are six single rooms and 30 suites of three rooms each, two bedrooms being connected with each of the thirty studies. It is steam-heated, equipped with shower and tub baths and dressing rooms with lockers, and is modern in all appointments. The dormitory is designed to accommodate 66 students.

Koons Hall—This building is practically a replica of Storrs Hall. Cement floors, however, have been used, and a few minor changes have been made in the interior arrangements and fittings. The appropriation for the building was $75,000.

The Dining Hall—The dining hall is a brick building with sandstone trimmings, in the form of a Maltese cross. The main part, 36 by 80 feet, is two stories with basement, and the two wings one story each with basement. The building contains a dining room with capacity for 200 students, kitchen, storerooms, steward's quarters, and rooms for helpers.

Dwelling Houses—There are on the college grounds eighteen dwelling houses, Whitney Hall with four apartments and the Valentine house with three apartments, occupied by families of instructors and employees.

Sewage System—The sewage from the dormitories and college buildings is purified on sand filter beds, eight in number, each twenty feet by sixty feet and four feet deep. The beds are used in rotation so that each bed works one day and rests seven. The effluent is non-putrescible.

Water System—Water from an artesian well 800 feet deep is pumped to a standpipe holding 300,000 gallons and is supplied to all buildings. Some of the buildings are protected in this way against fire. About 60,000 gallons per day are used. The college is drilling a new well.

Central Heating Plant—This plant has been built during 1916-17 and is expected to be in operation for the winter of 1917-18. The dormitories, recitation halls, and Armory will be heated from one steam main; the dairy building and dining hall from another. The equipment is modern.

EQUIPMENT

College Land—The college owns about 874 acres. Portions of the land are allotted to the college farm, the horticultural department, and the experiment station. The use is such as to illustrate the processes and principles both of general and of specialized agriculture, and for experiment. The campus furnishes facilities for instruction in landscape gardening, floriculture, and road making; the woodland reserve for forestry.

Agronomy—Large laboratories for soils and field crops study, and the necessary storerooms are provided in the Dairy Building. Experiment plots and the college farm serve as excellent material for field work.

Agricultural Engineering—The Farm Machinery Building contains a full and excellent equipment of standard tools, machines and engines.

POULTRY BUILDING

LIBRARY

Horticulture—For the study of Fruit Growing the horticultural department controls three orchards and a vineyard. The trial orchard has 400 trees in full bearing, including the standard as well as new and rare varieties. A commercial orchard of 15 acres of apple and peach trees is in bearing. For the testing of stocks and of commercial value a dwarf orchard of 500 trees on Paradise and Doucin stocks is available. The vineyard of 1½ acres contains all standard varieties and many less common; the vinery on the greenhouse range is devoted to foreign grapes.

In the vegetable gardens and small fruit plantations all varieties common to the latitude and many rare and peculiar sorts are available for study. The ornamental planting of the campus provides extensive opportunities for study of trees, shrubs, vines, herbaceous perennials, annuals, and bedding plants, in season.

Laboratory facilities adequate to the needs of classes are housed in the Horticulture Building and Greenhouse.

Dairy Husbandry—The dairy laboratory and college creamery are in the basement of the Dairy Building. Power and hand equipment for separation, testing, butter making, cheese making, and ice cream making is provided. A complete refrigeration plant, two steam engines and a 40 h. p. boiler serve for first hand study.

Live Stock and Animal Husbandry—Both the Dairy Husbandry and Animal Husbandry departments make extensive use of the excellent equipment in live stock. In cattle, specimens of the three types, dairy, dual purpose, and beef, are owned by the college. The dairy herd is made up of males and females of pure bred and advanced registry stock of the four leading breeds, Holstein, Jersey, Guernsey and Ayrshire; several of them with state records for production. Dual purpose cattle are Devons and milking Shorthorns. The herd of beef cattle is made up of pure bred Shorthorns and Herefords.

Among the college horses are a pure bred Percheron stallion and several pure bred mares of the same breed. The flock of sheep is made up of Shropshires for the most part with a few specimens of Southdowns and Dorsets. The swine herd is registered Berkshire.

The departments own a good library of herd books, flock books, and stud books, for use in pedigree work. Charts, lantern-slides, skeletons, models and figures are available for the study of anatomy and for illustration in lectures on veterinary medicine.

Physics—The physics department occupies two well-lighted rooms on the third floor of the horticultural building. The laboratory is fitted with large working tables and a full equipment of new physical apparatus necessary for a complete laboratory study of the elements of mechanics, heat, light, sound and electricity. The physics lecture room directly off the laboratory contains a large lecture table and many costly pieces of apparatus used for demonstration purposes.

Botany—The botanical department is provided with 30 compound microscopes and has dissecting microscopes, tables, and general laboratory equipment for sections of 30 students. An autoclave, an incubating and a dry sterilizing oven, and a Jung Thoma microtome are used in the advanced courses. The botanical museum is furnished with a set of Hough's wood sections, a series of tree trunks cut to show the three sections, a set of Riker mounts showing tree specimens in summer and winter condition, cases with alcoholic specimens, an herbarium with a good working collection of the local flora of Connecticut, and a small departmental library.

Agricultural Botanic Garden—This comprises at present one acre of land and is designed to serve as a field museum of agriculture. The largest section is given over to a systematic arrangement according to families of the most important economic plants. Thus among the legumes there are shown growing in separate plots the various clovers, vetches, alfalfas, beans, and peas as well as some of the more common wild legumious plants. A section is devoted to plots illustrating laws of variation and inheritance, and a considerable portion is set aside as an experimental garden for the study of various problems in plant genetics.

The botanic garden is used for demonstration purposes and to supply material for class work.

The Machine Shop, located in the basement of the main building, is equipped with a twelve horse-power gasoline engine, one iron shaper, two drill presses, three metal-turning lathes, one speed lathe, seven wood-turning lathes, one wood planer, one emery grinder, one hand trimmer, one band saw, one combination saw bench, and ten benches equipped with hand tools for pattern making.

The Wood-Working Shop is equipped with benches and hand tools for the accommodation of twenty-five students.

Forging—Ten forges with anvils and necessary tools are in a leased shop near the campus.

Mechanical Drawing—A room in Whitney Hall is equipped with desks, drafting boards, and designs for instruction in mechanical drawing.

Surveying—The equipment consists of transits, levels, compasses, a plane-table, and a full assortment of smaller instruments and accessories for instruction in surveying.

Chemistry—The main laboratory, which is used by classes in elementary and qualitative chemistry, contains desks, lockers, and ample individual equipment for seventy-two students. Besides this individual equipment the laboratory is provided with a very full line of chemicals and with balances, draft hoods, electricity, gas, and many other modern laboratory conveniences.

The quantitative laboratory contains besides the usual desks and individual equipment every convenience for carrying on the work in quantitative analysis and agricultural chemistry. On the same floor and within easy access of the student is a chemical library which contains many valuable chemical books and current journals and periodicals.

Forestry—The wood lots belonging to the college comprising about 200 acres, together with the plantation of locusts, red and white pine, give an excellent opportunity for field work in forestry. The department is equipped with the necessary instruments for forest survey and mensuration.

Bacteriology—The teaching and research laboratories for bacteriology are located on the second and third floors of the dairy building. Both laboratories are equipped with hot and cold water, gas, steam, refrigeration, sterilizers, incubators, balances, microscopes, and other apparatus for instruction and investigation.

Zoology—Students have abundant opportunity to see and study the different types of animals, both the invertebrate and the vertebrate forms. The museum contains types of all the important classes of animals, and the laboratory is well provided with compound and dissecting microscopes, together with aquaria and breeding cages for the dissection and study of such animals as are generally used in courses of zoology. The specimens used for dissection are procured in the vicinity of the college and from Wood's Hole, Mass.

Entomology—The collection of insects includes those of greatest economic importance, together with large numbers of the common insects found in Connecticut. The college provides the material for the dissection of the types of insects used in the study of entomology and a case in which a collection made by the students during the spring of the sophomore year and the fall of the junior year may be kept throughout that period. The library is well supplied with books on entomology and with the bulletins from the different experiment stations and the Department of Agriculture at Washington. These are used for reference work in the courses of entomology.

Home Economics—The laboratories of the Home Economics department in Grove Cottage are equipped for efficient work in cookery and sewing. The cookery laboratory is fitted with modern desks, porcelain sinks, blue flame oil stoves, and electric stoves. The Sewing Laboratory, well lighted and airy, is supplied with tables for drafting and cutting, sewing machines, dress forms, and other necessary apparatus.

Museum—The museum contains type specimens of all the important classes of animals from the protozoa to the vertebrata, the number varying according to the importance of the different classes of animals. The collection of gastropods is relatively large in number, and the most valuable portion of the museum is a collection of well-mounted birds. In addition to the collection of animals the museum contains numerous rocks, minerals, and fossil-bearing rocks, and Indian implements.

Gilbert Farm—From the estate of the late Edwin Gilbert of Georgetown, Connecticut, the college received the generous

gift of a large farm, with all the live stock and equipment on it, and an endowment fund of $60,000. The execution of the conditions of the bequest will by degrees, it is expected, introduce into the southwestern portion of the state the methods of tillage, animal husbandry, and fruit growing approved and practiced by the college.

Dunham Farm—Through the generosity of Mr. Austin C. Dunham of Hartford, a native of the Town of Mansfield, the College has acquired a well-stocked and equipped farm of 130 acres in the Town of Newington.

Summary—Inventories of the college lands, buildings, and equipment at Storrs show values of $923,122.

REQUIREMENTS FOR ADMISSION

A. TO THE COLLEGE

Applicants for admission to college courses must be at least sixteen years of age. They must pledge themselves that, if admitted, they will comply in good faith with the rules and administrative regulations of the college. Of entrants from other colleges letters or certificates of honorable dismissal are required.

ACADEMIC REQUIREMENTS

For entrance to any course leading to the degree of Bachelor of Science, applicants must present certificates of graduation from an approved four-year course in a secondary school, or certificate of passage of examinations of the College Entrance Board in fourteen and one-half units.

SPECIAL STUDENTS

Students may, with the approval of the President, be admitted to college studies, but not to candidacy for the degree of Bachelor of Science:

1. Who have met the entrance requirements for the degree of Bachelor of Science.

2. Who are graduates of the School of Agriculture.

3. Who are eighteen years of age or over and have completed not less than ten units of secondary school work in satisfactory fashion.

4. Who are twenty-one years of age or more and in the opinion of the President are capable of undertaking college work with profit.

B. TO THE SCHOOL

Applicants for admission to the School of Agriculture must be at least sixteen years of age. They must present credentials showing completion of the work of Grade 8, in the elementary schools.

No special students will be accepted for the School of Agriculture.

REQUIREMENTS FOR GRADUATION WITH THE DEGREE OF BACHELOR OF SCIENCE

Students admitted to candidacy for the degree of Bachelor of Science must complete in a satisfactory manner the study of subjects required and elective to a total of not less than one hundred and fifty semester hours or units of credit. No student is exempt from any of the subjects required in the course which he has entered except as he may show to the satisfaction of the registrar completion of equivalent work at another institution. No freshman or sophomore student shall enroll for less than twenty units credit in any semester. Freshmen may elect to a total of units approved by the registrar and in subjects approved by their advisors. Sophomore, junior, and senior students may elect subjects to a total approved by the registrar under advice and signed approval of the head of the department in which the student is making specialization of his work. Change from one department to another after the sophomore year will not be permitted except by vote of the committee on Course of Study.

REQUIREMENTS FOR SPECIAL STUDENTS

Every special student shall enroll for not less than fifteen units of credit per semester and shall complete at least fifteen such units in a satisfactory manner in order to continue as a member of the college for any later semester. Special students should consult with heads of departments and other instructors, but must submit their elections to the registrar for approval.

REQUIREMENTS FOR THE DIPLOMA OF THE SCHOOL OF AGRICULTURE

Students admitted into the School of Agriculture must complete in a satisfactory manner the required course of study.

FARM PRACTICE

No student in Agriculture shall receive the degree of Bachelor of Science from the college or a diploma from the school who has not an approved record of at least three months of actual farm practice achieved at another time than during the college years of his enrollment as a student.

REGULATIONS, MILITARY TRAINING

Every student entered in college or school is subject to the administrative regulations of the college and to the military rules of the commanding officer in charge of military instruction.

GRADING IN SCHOLARSHIP

Reports of grades are made after the end of each semester on the basis of A, B, C, D, and E. A is an honor mark, B is a good mark, C is satisfactory, D is a bare passing grade, E is failure. Students whose records show no mark for the year below B are honor students and their names are listed in the annual catalog. Students whose record for any semester shows a grade of E in more than seven units or of E and D in one-half or more of the total of units for which they are enrolled will be dismissed from college. A student who receives the mark of E in any subject, when the total of units is less than seven is given a **condition** in that subject. No freshman will be promoted who has more than one condition; no sophomore, or junior, who has any condition unremoved at the beginning of the succeeding year.

STUDENTS' EXPENSES

Tuition—Tuition is free to students whose parents are legal residents of Connecticut. For students whose parents are non-residents a charge of $30 per semester for tuition must be paid at registration with the beginning of every semester.

Fees—Students resident in the college dormitories must pay at registration, with the beginning of every semester, a fee of $50 to cover room rent, heat, light and laboratory expenses.

Students not residents in the college dormitories must pay at registration with the beginning of every semester, a fee of $25.

Athletic Association—By vote of the trustees the fee of $10 per year for the support of the Athletic Association is assessed and collected by the Treasurer of the college for every student, unless, before the end of the first semester, the student shall file with the Treasurer a signed statement that he is "unable or unwilling to make such payment."

Board—Table board is furnished on the following plan: A minimum charge, based upon cost, is made for the midday meal, and for service, bread, butter, milk, vegetables, cake, sauce, etc., at breakfast and supper. At the morning and evening meals, meat, eggs, fish, fruit, and dessert, are served a la carte. For such orders coupons are required. Books of coupons for a la carte ordering are sold at $5.00 each. They are not transferable. The minimum charge is about $4.80 per week. No reduction is allowed for less than one week's continuous absence, and then only when notice has been given

BEEF CATTLE

YOUTHFUL ENTHUSIASM

in advance to the manager of the dining hall. Students are not allowed to board themselves in the dormitories.

Military Uniforms—All male students must own and wear at drill, inspection, and ceremonies a complete military uniform. Measures are taken at the college and the uniforms made by an approved maker. Cap, coat, trousers, shirt, and gloves are sold at about $17, considerably less than the usual retail price.

Laundry—A laundryman calls for soiled clothing twice a week. Students are given special rates.

Payment of Bills—Semester fees and tuition fees (by non-resident students) must be paid in advance at the time of registration. No rebates upon these charges will be allowed after November 1, 1917. Cash payment in advance for table board must be made semi-monthly. Cash is required in payment for military uniforms, laundry, books and supplies. Registration will not be validated for any student who is in arrears with payments at the beginning of any semester, or will certificate, diploma, or degree be granted to any student until all accounts are paid.

Lodgings—The dormitories are equipped with a three-quarter bed or single bed, a mattress, a table, a bureau, and a chair for every student. Occupants must furnish their own pillows and bed clothing. They may bring such furnishings as rugs, curtains, and pictures. Entries and rooms are lighted by electricity. Occupants are held responsible for proper use and care of their rooms and furnishings.

Keys—Every student must deposit $1.00 for the key to his room. Upon return of the key the deposit is remitted.

Damage and Breakage—Charges for damage to college property are assessed to students responsible for it.

Books, Stationery, Supplies—For the convenience of students and instructors the college maintains a book store in the Main Building. Prices are based upon cost of maintenance. The store is not run for profit.

SPECIMEN EXPENSES FOR A RESIDENT STUDENT FOR THE COLLEGE YEAR.

Semester fees	$100.00
Board, 30 weeks	150.00
Military Uniforms	17.00
Athletic Association	10.00
Books and Supplies	15.00
Laundry	15.00
	$307.00

SCHOLARSHIPS AND LOANS

County Scholarships for College Students—Under legislative enactment the trustees may grant sixteen scholarships a year to worthy student residents of Connecticut. Not more than two such scholarships may be awarded to applicants from any one county. The value of the scholarships is $100 each, amounting to a remission of semester fees for the year. Applicants for scholarships should write to the Secretary, Connecticut Agricultural College, Storrs, Conn., for information as to requirements.

Grange Loans—Students in the College or the School of Agriculture who are members of the order of Patrons of Husbandry may borrow sums not to exceed $100 per year from the State Grange of Connecticut. Award of loans is at the discretion of the Executive Committee of the State Grange. About $1,000 is available. Applications should be made in writing to Professor C. A. Wheeler, Connecticut Agricultural College, Storrs, Conn.

Cadet Appointments and Awards—The officers of the college military company are appointed and promoted according to their proficiency in military science and drill, their soldierly bearing, and their good conduct.

The highest officers, in recognition of their efficient work, receive at the end of a year of successful service the following prizes: Major, $25; three captains, $25 each; five first lieutenants, $20 each; chief musician, $20; three second lieutenants,

$15 each; three first sergeants, $10 each. No officer reduced to the ranks for breach of discipline is awarded either the whole or any portion of one of these prizes. Eight inspectors in the dormitories are paid $3 a month for their services.

EMPLOYMENT

The college does not guarantee employment to any student. Students desiring employment should apply to the committee on student labor, which is usually able to find work for those of good standing, who have need to earn, in part, their way through college. The standard of wages is 20 cents an hour.

Students are expected to give their prime attention to college and school studies. No student will be permitted to give an undue proportion of his time to paid labor. Students who must earn a considerable part of their expenses should expect to forego the enjoyment of leisure that others may have.

MILITARY TRAINING
CONNECTICUT AGRICULTURAL COLLEGE
R. O. T. C.

One of the first of colleges to be designated by the War Department for the establishment of a unit of the Reserve Officer's Training is the Connecticut Agricultural College. Under United States Army officers students are trained by the systematic and standard prescribed methods of the department for the intelligent performance of the duties of commissioned officers in the military forces of the United States. The system of instruction is so arranged as least to interfere with the specific education of the student in other fields. Education for performance of the duties of citizenship takes its place beside education for the enjoyment of the rights of the citizen.

A young man now entering the Connecticut Agricultural College, if a citizen of the United States and physically fit, may become a member of the Reserve Officer's Training Corps. Without cost he is furnished with rifle, uniform and necessary equipment. For two years he devotes three hours a week to military training under the prescribed course. At the end of the two years, if he so elects, and if he is recommended by the President of the College and the Commandant, he may sign an agreement to devote five hours a week to an advanced course in military training for the remaining two years of the college course and to undertake such camp training as may be prescribed by the Secretary of War. To those who elect the advanced course, monthly payment will be made of about nine dollars. Under the present plan camp training will call for four weeks in the summer of each of the two years of the advanced course. All expenses of the student for summer camp training will be met by the United States Government.

A graduate of the college who has completed the advanced course is eligible for appointment by the President of the United States as Second Lieutenant in the regular army for a period of six months with pay at $100 per month and to a commission in the Officers' Reserve Corps.

REQUIRED STUDIES IN COLLEGE COURSES

FRESHMAN YEAR

Agriculture-Science

First Semester		Second Semester	
Title and Number	Credit Units	Title and Number	Credit Units
English 1	3	English 1	3
Agronomy 1a	3	Botany 1b	4
Zoology 1a	4	Animal Husbandry 1b	3
Shop 1a	1½	Shop 1b	1½
Physical Education	1	Physical Education	1
Military Art 1a and Drill	1½	Military Art 1b and Drill	1½
	14		14
Minimum Elective	6	Minimum Elective	6

Mechanic Arts

English 1	3	English 1	3
French 1 or German 1	3	French 1 or German 1	3
Mathematics 1	3	Mathematics 1	3
Chemistry 1	4	Chemistry 1	4
Mechanic Arts 1	1½	Mechanic Arts 1	1½
Mechanic Arts 1a	1½	Mechanic Arts 1b	1½
Physical Education	1	Physical Education	1
Military Art 1a and Drill	1½	Military Art 1b and Drill	1½
	18½		18½
Minimum Elective	2	Minimum Elective	2

Home Economics

English 1	3	English 1	3
Zoology 1a	4	Botany 1b	4
French 1 or German 1	3	French 1 or German 1	3
Home Economics 1	1½	Home Economics 1	1½
Home Economics 1a	1½	Home Economics 1b	1½
Physical Education	1	Physical Education	1
	14		14
Minimum Elective	6	Minimum Elective	6

SOPHOMORE YEAR

Agriculture-Science

English 2	2	English 2	2
Chemistry 1	4	Chemistry 1	4
Agronomy 2a	3	Farm Management 2b	3
Agronomy 2c	3	Geology 2b	3
Military Art 2a and Drill	1½	Military Art 2b and Drill	1½
	13½		13½
Minimum Elective	6½	Minimum Elective	6½

Mechanic Arts

English 2	2	English 2	2
French 2 or German 2	3	French 2 or German 2	3
Mathematics 2a	4	Chemistry 2	4
Chemistry 2	4	Physics 2	3
Physics 2a	3	Mechanic Arts 2b	2
Mechanic Arts 2a	2	Mechanic Arts 2d	1½
Military Art 2a and Drill	1½	Military Art 2b and Drill	1½
	19½		17
		Minimum Elective	3

Home Economics

English 2	2	English 2	2
French 2 or German 2	3	French 2 or German 2	3
Chemistry 1	4	Chemistry 1	4
Home Economics 2a	2	History 2b	3
Home Economics 2c	4	Home Economics 2b	3½
Physical Education	1	Physical Education	1
	16		16½
Minimum Elective	4	Minimum Elective	3½

JUNIOR YEAR

Agriculture-Science

History 3	3	History 3	3
Economics 3a	3	Economics 3b	3
Drill	1½	Drill	1½
	7½		7½
Minimum Elective	10	Minimum Elective	10

Mechanic Arts

Mathematics 3a	4	Mathematics 3b	4
Mathematics 3c	2½	Mechanic Arts 3b	2
Mechanic Arts 3	1½	Mechanic Arts 3d	3
Mechanic Arts 3a	1½	Mechanic Arts 3f	1½
Mechanic Arts 3c	3	Drill	1
Drill	1½		11½
	14	Minimum Elective	6
Minimum Elective	3½		

Home Economics

History 3	3	History 3	3
Education 3a	3	Education 3b	3
Chemistry 3	3	Chemistry 3	3
Home Economics 3a	2	Home Economics 3b	4
Home Economics 3c	4	Home Economics 3d	2
	15		15
Minimum Elective	2½	Minimum Elective	2½

SENIOR YEAR

Agriculture-Science

Drill	1½	Drill	1½
Minimum Elective	16	Minimum Elective	16

Mechanic Arts

Mechanic Arts 4	4	Mechanic Arts 4	4
Mechanic Arts 4a	3	Mechanic Arts 4b	2
Mechanic Arts 4c	2	Mechanic Arts 4d	3
Mechanic Arts 4e	2	Mechanic Arts 4f	2
Drill	1½	Drill	1½
	12½		12½
Minimum Elective	5	Minimum Elective	5

Home Economics

Education 4a	3	Education 4d	3
Sociology 4	2	Sociology 4	2
Home Economics 4	2	Home Economics 4	2
Home Economics 4a	2½	Home Economics 4b	2½
Home Economics D	2	Home Economics D	2
	11½		11½
Minimum Elective	6	Minimum Elective	6

SYSTEM OF NUMBERING STUDIES

Figure 1, or, A—Freshman year.
Figure 2, or, B—Sophomore year.
Figure 3, or, C—Junior year.
Figure 4, or, D—Senior year.
Letters a, c, e—first semester.
Letters b, d, f—second semester.

Number or capital letter without accompanying small letter—throughout the year.

Thus Poultry Husbandry 3b is given in the second semester of the junior year; Chemistry 2 is continuous through both semesters of the sophomore year; Mathematics A is continuous through both semesters of the freshman year.

Electives: Studies marked A or having the number 1 are open to freshmen.

Studies marked A or B or having the numbers 1 or 2 are open to sophomores.

Studies marked A, B or C, or having the numbers 1, 2 or 3, are open to juniors.

All studies are open to seniors.

Choice of subjects must be approved by the student's advisor and credits allowed by the registrar. In choosing make note of conflicts and prerequisites.

SYNOPSIS OF COLLEGE STUDIES.

Dairy Husbandry 1a—Elective. Freshman Year, First Semester.

Milk Testing and Separation—This course is a study of: The composition and properties of milk; factors causing a variation in the composition of milk; testing milk and its products for butterfat by the Babcock test; methods of taking and caring for composite samples; the lactometer and its use in determining the acidity of milk and cream; the various methods of cream separation, including a study of the construction and operation of centrifugal separators.
Two hours lecture—Tuesday 2.10, Thursday 1.10.
Two hours laboratory—Monday 2.10-4.00.
Credit units 3.
Professor Judkins, Mr. Campbell and Mr. Downs.

Dairy Husbandry 1b—Elective. Freshman Year, Second Semester.

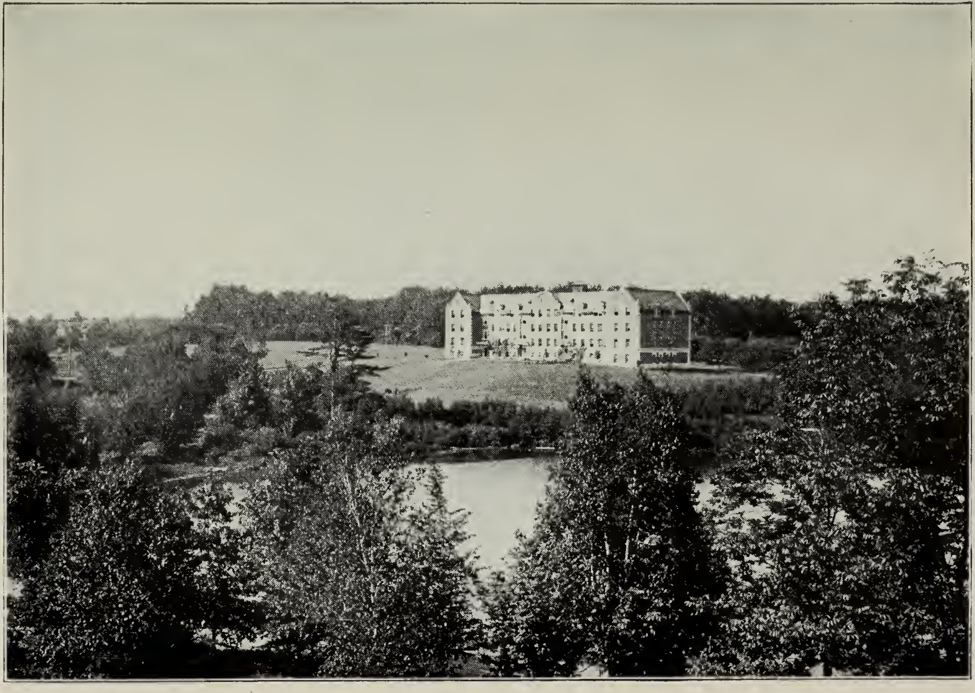
Milk Production—This course will include a study of dairying from the standpoint of the production of milk; the characteristics and adaptability of dairy and dual purpose breeds; how to start a dairy herd; selecting the dairy cow and bull; keeping of records; raising calves; feeding and management of the dairy bull. The value and use of the silo; and a comparison of silage and soiling crops will be considered. Practice in practical problems is provided.
Two hours lecture—Tuesday 2.10, Thursday 1.10.
Two hours laboratory—Monday 2.10-4.00.
Credit units 3.
Professor White.

Dairy Husbandry 2a—Elective. Sophomore Year, First Semester.

Cattle Judging—This course will be a study of the history of the development of the dairy breeds, showing the influence of the show ring and other factors. A comprehensive study of the use of score cards is made and practice in the comparative judging of animals provided. In addition to use of the animals in the college herd as many other herds will be visited as is practicable.
One hour lecture—Monday 9.00.
Four hours laboratory—Tuesday 2.10-4.00, Friday 2.10-4.00.
Credit units 2½.
Professor White and Mr. Campbell.

Dairy Husbandry 2b—Elective. Sophomore Year, Second Semester.

Ice Cream Making—This course will be a study of the ice cream business, its extent and importance; mechanical refrigeration and its relation to the ice cream business; the whipping properties of cream; factors affecting swell; making plain and fancy ice creams, sherbets, ices and puddings. A trip will be made in order to visit two or three commercial ice cream plants. Prerequisite, Dairy Husbandry 1a.
One hour lecture—Wednesday 1.10.
Two hours laboratory—Thursday 2.10-4.00.
Credit units 2.
Professor Judkins and Mr. Downs.



STORRS HALL, MEN'S DORMITORY

KOONS HALL, MEN'S DORMITORY

Dairy Husbandry 3a—Elective. Junior Year, First Semester.

Animal Nutrition—The laws of nutrition and the theory of metabolic processes are studied. The composition, digestibility, characteristics and adaptability of farm and market feeds for different classes of animals, and the method of selecting the most economical feeds is considered. A study of feeding standards and their application in calculating balanced rations is thoroughly considered. Prerequisite, Chemistry 1.

Three hours lecture—Monday 10.00, Wednesday 10.00, Friday 10.00.
Credit units 3.
Professor White.

Dairy Husbandry 3c. Junior Year, First Semester.

Advanced Cattle Judging—This is a continuation of Dairy Husbandry 2a. From this class a team for competitive judging will be selected. Prerequisite, Dairy Husbandry 2a.

Two hours laboratory—Thursday 2.10-4.00.
Credit units 1.
Professor White.

Dairy Husbandry 3b—Elective. Junior Year, Second Semester.

Butter and Cheese Making—A study of cream for butter making, its quality, pasteurization and methods of ripening; choosing the churn; proper method of churning, washing, salting and working butter; the market package; marketing butter; the cheese industry, its location and importance. The methods of making some of the soft cheeses such as cottage, neufchatel and cream cheese, and the principles and practice of making cheddar cheese, are included. In this course particular emphasis will be laid on the making of butter and cheese under farm conditions, but some practice will be given with the power churns, and there will be general problems in creamery management. Prerequisite, Dairy Husbandry 1a.

Two hours lecture—Monday 10.00, Wednesday 10.00.
Two hours laboratory—Thursday 2.10-4.00.
Credit units 3.
Professor Judkins and Mr. Downs.

Dairy Husbandry 3d—Elective. Junior Year, Second Semester.

Seminar—This course will be a study of the latest results obtained in dairy investigation. Each student must review carefully the literature on special topics and present his findings before the class; latest bulletins and scientific findings will be reviewed and discussed. Juniors and seniors meet together. Prerequisite, all dairy work to this point.

One hour lecture—Friday 10.00.
Credit units 1.
Professor White and staff.

Dairy Husbandry 4—Elective. Senior Year, Both Semesters.

City Milk Supply—The topics are: General scope of the market milk industry; value of milk and its products as food; sources of bacteria in milk and their significance; factors affecting the quality of milk before and at the time of milking, and after it is drawn; processing, grading and distributing milk; score cards for milk and for dairies; care of milk in the home; production and handling of special grades of milk; the manufacture of by-products in the milk plant, and the manufacture and uses of condensed milk and milk powder. Prerequisite, Dairy Husbandry 1a.

Two hours lecture, first semester—Monday 1.10, Thursday 2.10; second semester—Monday 1.10, Thursday 10.00.
Two hours laboratory—Friday 2.10-4.00.
Credit units 3.
Professor Judkins.

Dairy Husbandry 4a—Elective. Senior Year, First Semester.

Herd Improvement—This course will include the theory and practice of handling heifers for their best development and usefulness; value and method of proper care at time of parturition; study of contagious abortion and tuberculosis and methods of control; application of theories of inheritance to cattle breeding and methods employed to give greatest success. In the laboratory a study is made of the value of animals, based upon individuality, record and pedigree. A thesis will be required with this course. Prerequisites, Genetics and Dairy Husbandry 1b.

Two hours lecture—Thursday 10.00, Friday 1.10.
Three hours laboratory—Wednesday 1.10-4.00.
Credit units 3½.
Professor White.

Dairy Husbandry 4c—Elective. Senior Year, First Semester.

Seminar—This course is a continuation of Dairy Husbandry 3d.
One hour lecture—Monday 8.00.
Credit units 1.
Professor White and staff.

Dairy Husbandry 4d—Elective. Senior Year, Second Semester.

Seminar—This course is a continuation of Dairy Husbandry 3d and 4c.

One hour lecture—Monday 8.00.
Credit units 1.
Professor White and staff.

Poultry Husbandry 1a—Elective. Freshman Year, First Semester.

Poultry Culture—This course includes the following topics: The poultry industry; the poultry farm, buildings and equipment; breeds of domestic fowls, including water fowls and pigeons; principles of breeding; selection of stock; preparation for market, including killing and dressing; poultry parasites and diseases.

Two hours lecture—Tuesday 1.10, Friday 2.10.
Two hours laboratory—Wednesday 2.00-4.00.
Credit units 3.
Mr. Warner.

Poultry 1b—Elective. Freshman Year, Second Semester.

Poultry Culture—A repetition of Poultry 1a offered in the first semester of the freshman year.

Two hours lecture—Tuesday 3.10, Thursday 2.10.
Two hours laboratory—Friday 2.10-4.00.
Credit units 3.
Mr. Warner.

Poultry Husbandry 2a—Elective. Sophomore Year, First Semester.

Poultry Production—This course is a continuation and elaboration of courses 1a and 1b, one of which is prerequisite. It is designed for the purpose of bringing the student into closer touch with those essential details that make for success in the business of keeping hens. A part of the semester's work will be devoted to a study of show types of the various breeds and varieties as classified and arranged in the American Standard of Perfection.
Two hours lecture—Monday 9.00, Wednesday 9.00.
Three hours laboratory—Thursday 1.10-4.00.
Credit units 3½.
Mr. Warner.

Poultry Husbandry 2b—Elective. Sophomore Year, Second Semester.

Pathology—This course will be devoted almost exclusively to discussions of the more important poultry diseases. The laboratory period will consist largely of diagnosing, prescribing, and treating individual and flock cases.
Two hours lecture—Tuesday 1.10, Friday 1.10.
Two hours laboratory—Monday 2.10-4.00.
Credit units 3.
Professor Kirkpatrick.

Poultry Husbandry 3a—Elective. Junior Year, First Semester.

Commercial Poultry Keeping—This course will deal principally with the laying out of large plants; the handling and management of commercial flocks; styles of houses, kinds of brooders, and other poultry appliances suitable for such enterprises; advertising; capital required, probable losses, causes of failure, etc.
Two hours lecture—Tuesday 10.00, Thursday 10.00.
Three hours laboratory—Friday 1.10-4.00.
Credit units 3½.
Mr. Card.

Poultry Husbandry 3b—Elective. Junior Year, Second Semester.

Poultry Husbandry—Special emphasis will be laid on the designing and construction of poultry houses. Practice work in incubation and brooding will be required. Students who contemplate electing this course should note that some of the practice work, particularly that in connection with incubation and brooding, cannot be scheduled in regular laboratory periods. Special hours must be arranged, since the nature of work will require the student's daily attention.
Two hours lecture—Tuesday 10.00.
Three hours laboratory—Wednesday 1.10-4.00.
Credit units 3½.
Mr. Warner.

Poultry Husbandry 4a—Elective. Senior Year, First Semester.

Seminar and Judging—The lecture period will be devoted to a more or less informal discussion of recent poultry investigations. Every student will be required to prepare and present a paper on some special topic, to review bulletins and discuss general problems which from time to time may confront the department.

The laboratory period will be used largely for advanced work in the preparation and judging of show room types.

One hour lecture—Monday 8.00.
Two hours laboratory—Wednesday 2.10-4.00.
Credit units 2.
Staff.

Poultry Husbandry 4b—Elective. Senior Year, Second Semester.

Thesis—This course involves the writing of a thesis prepared from data collected by the student or from other available but unreported records.

Two hours lecture—Monday 8.00, Wednesday 8.00.
Three hours laboratory—Wednesday 1.10—4.00.
Credit units 3½.
Professor Kirkpatrick, Mr. Card.

Animal Husbandry 1b—Required in Agriculture-Science Course. Freshman Year, Second Semester.

This course will be a study of types and breeds, and elementary judging. Horses, beef cattle, sheep and swine will be systematically studied as to their origin, history, development, characteristics and value.

Text-books, Plumb's "Types and Breeds" and Gay's "Principles and Practice of Judging Live Stock."

The laboratory work will consist of work in elementary judging.
Two hours lecture—Tuesday 8.00, Thursday 8.00.
Two hours laboratory—Monday 10.00-12.00.
Credit units 3.
Professor Garrigus.

Animal Husbandry 3—Elective. Junior Year, Both Semesters.

Advanced Judging—Advanced work in judging horses, cattle, sheep and swine, intended as a parallel course with the two above outlined. Plumb's "Judging Farm Animals" will be used as a text-book.

Two hours laboratory—Tuesday 2.10-4.00.
Credit units 2.
Professor Garrigus.

Animal Husbandry 3a—Elective. Junior Year, First Semester.

Horses and Beef Cattle—This will be a general study of production, management, showing, and marketing of horses and beef cattle. Text-books, Gay's "Productive Horse Husbandry" and Mumford's "Beef Farming."

Two hours lecture—Wednesday 9.00, Friday 9.00.
Credit units 2.
Professor Garrigus.

Animal Husbandry 3b—Elective. Junior Year, Second Semester.

Sheep and Swine—A study of the breeding, feeding and management of sheep, including the handling of wool, production of lambs for market, fitting and showing stock. The general management of swine will be studied from the standpoint of breeding, feeding, showing, marketing and housing.

Text-books: Kleinheinz's "Sheep Management" and Craig's "Sheep Farming," Day's "Productive Swine Husbandry."

Two hours lecture—Wednesday 9.00, Friday 9.00.

Credit units 2.

Professor Garrigus.

Veterinary Science 4a—Elective. Senior Year, First Semester.

This will be a lecture and text-book course on comparative anatomy; physiology; general pathology; therapeutics; disease and treatment; hygiene; general care and treatment of sick animals; contagious infections and parasitic diseases; common cases of poisoning in cattle and sheep; obstetrics; and diseases of the young animal. The course will also include general principles of surgery, treatment of wounds and injuries.

Two hours lecture—Thursday 1.10, Friday 10.00.

Credit units 2.

Dr. Dow.

Agronomy 1a—Required in Agriculture-Science Course.
Freshman Year, First Semester.

Field Crop Production—This course will be a study of the fundamental principles and practices involved in the production of field crops, together with a study of the important crops. The common crops of New England are used as types for field and laboratory work.

One hour lecture—Tuesday 8.00.

Four hours laboratory—Thursday 8.00-10.00, Monday 10.00-12.00.

Credit units 3.

Professor Slate.

Agronomy 2a—Required in Agriculture-Science Course.
Sophomore Year, First Semester.

Soil Management—A field, laboratory, and text-book course dealing with the relationship of plant and soil, and the principles of soil management.

Two hours lecture—Wednesday 1.10, Friday 8.00.

Two hours laboratory—Wednesday 10.00-12.00.

Credit units 3.

Professor Slate.

Agronomy 2c—Required in Agriculture-Science Course.
Sophomore Year, First Semester.

Farm Machinery—In this course the operation, adjustment and repair of farm machinery and motors will be studied.

One hour lecture—Tuesday 8.00.

Four hours laboratory—Monday 10.00-12.00, Friday 10.00-12.00.

Credit units 3.

Mr. Duffee.

Agronomy 3b—Elective. Junior Year, Second Semester.

Advanced Field Crops—A course of experimental methods with field crops. Students electing this course are required to spend the following summer at the Experiment Station.
Six hours laboratory—Monday 1.10-4.00, Friday 1.10-4.00.
Credit units 3, plus recommended units for summer work.
Professor Slate.

Agronomy 4a—Elective. Senior Year, First Semester.

Agricultural Engineering—This is a course dealing with the design of farm buildings; engineering and construction of drainage, irrigation and sanitary systems.
One hour lecture—Wednesday 8.00.
Three hours laboratory—Tuesday 1.10-4.00.
Credit units 2½.
Mr. Duffee.

Agronomy 4b—Elective. Senior Year, Second Semester.

Soil Fertility—This course will be a detailed study of the literature, with laboratory problems and field studies.
Six hours laboratory—Wednesday 1.10-4.00, Friday 8.00-11.00.
Credit units 3.
Professor Slate.

Horticulture 1a—Elective. Freshman Year, First Semester.

An introductory course in horticulture, showing the importance of horticulture, the divisions of horticulture, and the distribution of horticultural activities. The principles of plant growth and reproduction and the fundamental processes of control through these principles make an important part of the study. Acquaintance with the chief source of information among horticultural workers is an object of the course.
Two hours lecture.
Two hours laboratory.
Credit units 3.
Mr. Stevens.

Horticulture 1b.

The same repeated, if a sufficient number of students make election of it.

Horticulture 2—Elective. Sophomore Year, Both Semesters.

Vegetable Gardening and Small Fruits—A study of the climatic, topographic, and soil adaptations of garden crops, the methods of culture and management, remedies and preventives for diseases and noxious insects. The laboratory work will include seed study, germination, care of seeds, and planting, growing, harvesting and storage of vegetable and small fruit crops. Markets, preparation for market, methods of shipping and of selling will be given due consideration.
Three hours lecture.
Two hours laboratory.
Credit units 8.
Mr. Stevens.

Horticulture 3—Elective. Junior Year, Both Semesters.

Practical Systematic Pomology—A course arranged with the idea of giving a general knowledge of the growing of fruit trees, the selection of orchard sites and soils, the planting, fertilization, cultivation, and spraying of the trees, and the harvesting and packing of the fruit. Each of the common orchard fruits will be studied in detail. Some time will be devoted to judging fruits and fruit varieties.

At least two trips to commercial orchards will be required of the class.

Two hours lecture.
Four hours laboratory.
Credit units 8.
Mr. Hollister.

Horticulture C—Elective. Junior Year, Both Semesters.

Greenhouse Management and Floriculture—A practical study of the florist's problems, such as types of houses, materials of construction, propagation and care of commercial plants, growth of bedding plants, and the management of houses and vineries for special purposes.

Four hours laboratory.
Credit units 4.
Mr. Fraser.

Horticulture 4—Elective. Senior Year, Both Semesters.

Vegetables under Glass—Advanced Course—A study of the production of vegetables under glass for commercial purposes, dealing in practice with lettuce, cucumbers, tomatoes, and other vegetables commonly grown out of season in this latitude. The adaptation of houses to economical production through proper heating, ventilating, watering, preparation of soils and the like will receive full consideration.

Hours to be arranged with the instructor.

Credits to be arranged with registrar. Open to a limited number of students.

Mr. Stevens.

Horticulture D—Elective. Senior Year, Both Semesters.

Advanced Greenhouse Management and Floriculture—The course deals with the commercial growing of flowers and ornamental plants under glass, and with the management of decorative gardening outdoors.

Hours to be arranged with instructor.
Credits to be arranged with registrar.
Open to a limited number of students.
Mr. Fraser.

Horticulture 4b—Elective Senior Year, Both Semesters.

Landscape Gardening—The course deals with the laying out of grounds, the grouping and planting of shrubs and trees, the making of plans for small places, the treatment of walks and drives, the use of flower borders and of bedding plants, and the improvement of grounds already grown up. The requirements of country estates and of home gardens are particularly considered.

Two hours lecture.
Three hours laboratory.
Credit units 3½.
Mr. Fraser.

Horticulture 4ad—Elective. Senior Year, First Semester.

Advanced Pomology—Detailed work in fruit scoring and judging, arrangement of exhibits, description of varieties, the adaptability of varieties to conditions in Connecticut, and a study of markets and marketing in the state.

In the second semester emphasis will bear upon fruit growing on a commercial scale and the management of fruit farms.

At least one trip is required in each semester.
Two hours lecture.
Two hours laboratory.
Credit units 6.
Mr. Hollister.

Forestry 4b—Elective. Senior Year, Second Semester.

This course is designed to give a general knowledge of the development and present forestry situation in the United States. Connecticut will be studied in detail. A short study of the economic trees of the United States, including logging and marketing will be made. The laboratory work will be the handling of the farm woodlot, including estimating, improvement, harvesting and regeneration.

Two hours lecture—Friday 1.10, Saturday 9.00.
Three hours field work—Friday 8.00-11.00.
Mr. Moss.

Farm Management 2b—Required in Agriculture-Science Course. Sophomore Year, Second Semester.

A course designed to summarize and coordinate the factors concerned in modern farming and farm organization. The laboratory work includes inspection trips and farm accounting.

Two hours lecture—Tuesday 8.00, Friday 8.00.
Two hours laboratory—Wednesday 10.00-12.00.
Credit units 3.
Mr. Abell.

Farm Management 4b—Elective. Senior Year, Second Semester.

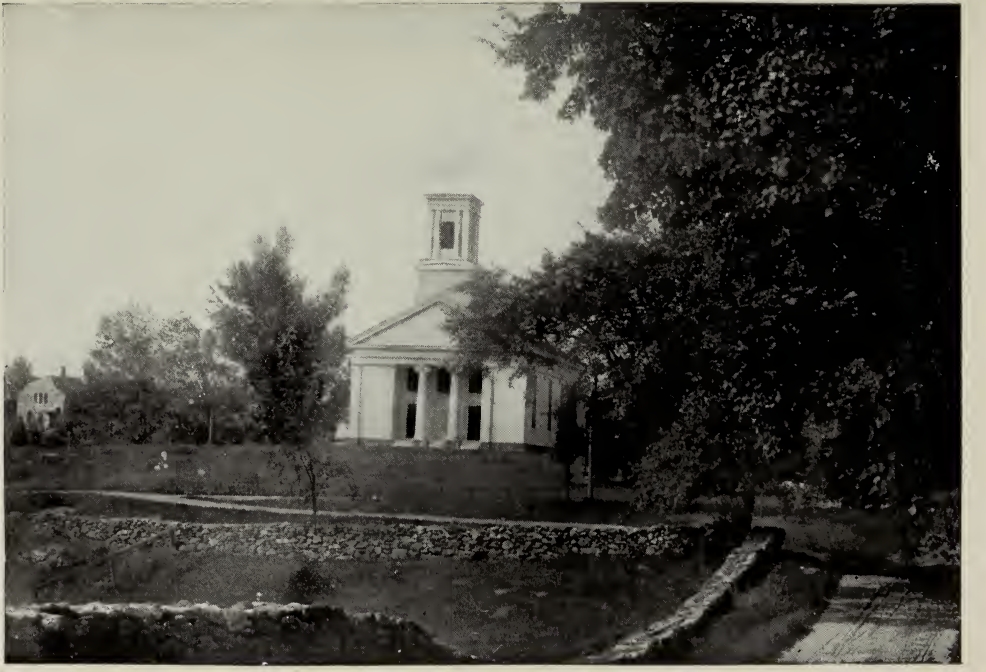
Farm Management Surveys—A course in surveys and survey methods, with emphasis on the computation and interpretation of results.

Six hours laboratory—Tuesday 1.10-4.00, Thursday 1.10-4.00.
Credit units 3.
Mr. Abell.

Botany 1b—Required in Agriculture-Science Course. Freshman Year, Second Semester.

An introductory course dealing with the morphology, physiology, ecology, and classification of plants, with especial emphasis on the higher forms.

Two hours lecture—Monday 8.00, Friday 8.00.



CONGREGATIONAL CHURCH

VIEW OF THE CAMPUS FROM THE WATER TOWER

Four hours laboratory—Wednesday 10.00-12.00, Friday 10.00-12.00.
Credit units 4.
Professor Sinnott, Mr. Torrey.

Botany 2a and 2b—Elective. Sophomore Year, Both Semesters.

An advanced course dealing with the structure, life histories, relationships and evolution of the algae, fungi, bryophytes, vascular, cryptogams and seed plants. Open only to those who have had Botany 1b or its equivalent.
Two hours lecture—Monday 1.10, Thursday 1.10.
Four hours laboratory—Tuesday 2.10-4.00, Friday 2.10-4.00.
Credit units 4-8.
Professor Sinnott, Mr. Torrey.

Botany 3a—Elective. Junior Year, First Semester.

Genetics—A general introductory course, aiming to present a knowledge of the laws of variation and inheritance, as a basis for practical animal and plant breeding.
Two hours lecture—Tuesday 8.00, Thursday 8.00.
Two to four hours laboratory.
Credit units 3.
Professor Sinnott.

Botany 3c—Elective. Junior Year, First Semester.

Plant Pathology—A course dealing with the structure, relationships and life history of the more important fungi which cause plant disease, together with a brief study of the best methods for their control.
Two hours lecture—Tuesday 8.00, Thursday 8.00.
Four hours laboratory—Monday 2.10-4.00, Friday 2.10-4.00.
Credit units 4.
Mr. Torrey.

Botany 4—Elective. Senior Year, Both Semesters.

A course of conferences and laboratory practice, for those who expect to pursue advanced work in botany elsewhere. Familiarity will be acquired with the technique of killing and fixing various types of plant material, embedding in paraffin and celloidin, cutting microtome sections and preparing and staining mounts. Each student will be given an opportunity to devote special attention to a particular problem, as an introduction to methods of investigation. Open only to those who have taken Botany 1b, 2a and 2b or their equivalent.
Six hours laboratory—(Hours by appointment.)
Credit units 6.
Dr. Sinnott and Mr. Torrey.

Botany 4b—Elective. Senior Year, Second Semester.

Botanical Seminar—Subject for 1918: Materials and methods in elementary Botany. Lectures, reading, reports, discussions and classroom demonstrations, particularly intended for those who expect to teach botany or related subjects. Open to those who have taken Botany 1b and 2a and 2b, and to other properly qualified persons.

One hour lecture—Wednesday 9.00.
Credit units 1.
Professor Sinnott, Mr. Torrey.

Botany 4d—Senior Year, Second Semester.

Botany of Economic Plants—The origins and relationships of cultivated plants, the derivations of deleterious plants, and the changes in the uses of plants, will be studied in this course.

One hour lecture.
Two hours laboratory.
Credit units 2.
Professor Sinnott.

Bacteriology 2a—Elective. Sophomore Year, First Semester.

General Bacteriology—This course will consider the following topics: History and scope of the subject. Forms and activities of bacteria. The relation of bacteria to the production and handling of milk. The use of bacteria in the making of butter and cheese. Bacteria and hygiene. Preventive medicine. The function of bacteria in producing soil fertility. Bacteria and nitrogen supply. Results of field experiments with bacteria in crop production.

Two hours lecture—Tuesday 1.10, Friday 1.10.
Four hours laboratory—Wednesday 2.10-4.00, Saturday 10.00-12.00.
Credit units 4.
Professor Esten, Miss Mason.

Bacteriology 2b—Elective. Sophomore Year, Second Semester.

Dairy Bacteriology—This course will be a study of the following topics: Special methods for finding the number of bacteria in milk. Preparation of special kinds of culture media for detection of varieties of bacteria. Effect of different groups of bacteria in milk, butter and cheese. Sources of milk contaminations and their elimination. Bacteria in cream "starters" and commercial cultures for ripening of cream and cheese. Sanitary milk production and diseases which may be carried by milk.

Two hours lecture—Tuesday 1.10, Friday 1.10.
Four hours laboratory—Wednesday 2.10-4.00, Saturday 10.00-12.00.
Credit units 4.
Professor Esten, Miss Mason.

Bacteriology 3a—Elective. Junior Year, First Semester.

Soil Bacteriology—This course will include the study of the work of bacteria in soil formation; the breaking down of rock materials soluble for plant foods; the relation of bacteria to the world's supply of nitrogen; and the preservation of fertilizers.

The work of bacteria on organic matter for the increase of humus in the soil and their agency in the production of a world's supply of food will be studied also.

Two hours lecture—Monday 1.10, Thursday 9.00.
Four hours laboratory—Tuesday 2.10-4.00, Friday 2.10-4.00.
Credit units 4.
Professor Esten, Miss Mason.

Bacteriology 3b—Elective. Junior Year, Second Semester.

This will be a course in preparation for teaching bacteriology or for positions in public health and milk testing laboratories. It will include pathogenic problems, control of communicable diseases, equipment of laboratories, preparation and use of culture media, stains, etc., the theory of immunity, special health problems, control of healthful water supplies and sewage systems, and sanitation on the farm. The class will have seminar work and discussions on special topics.

Two hours lecture—Monday 1.10, Thursday 9.00.
Four hours laboratory—Tuesday 2.10-4.00, Friday 2.10-4.00.
Credit units 4.
Professor Esten, Miss Mason.

Bacteriology 4—Elective. Senior Year, Both Semesters.

Seminar work and special lines of investigation. Hours to be determined in consultation with Professor Esten.

Credit units by reference to registrar.

Zoology 1a—Required in Agriculture-Science Course.
Freshman Year, First Semester.

This course is a study of the most important physiological processes of animals and the elements of comparative anatomy. The class will dissect the sea anemone, starfish, nereis, clam, crayfish, grasshopper, dogfish and frog, and will study under the microscope the amoeba, paramoecium, vorticella, sponge spicules, hydra and the rotifers.

Special emphasis is placed upon the study of those animals that cause or carry diseases.

Field work is given in this subject.
Two hours lecture—Monday 8.00, Friday 8.00.
Four hours laboratory—Wednesday 10.00-12.00, Friday 10.00-12.00.
Credit units 4.
Professor Lamson and Mr. Manter.

Entomology 2a—Elective. Sophomore Year, First Semester.

This course deals with the study of the elements of insect structure, development and classification, and the essentials regarding the most important economic insects attacking garden, orchard, and forest products.

Insects are studied in reference to their relation to plants, their methods of attack, the amount of injury they cause, their relation to man, and their relation to other animals. Field work is given in this subject.

Two hours lecture—Tuesday 1.10, Friday 1.10.
Four hours laboratory—Wednesday 2.10-4.00, Saturday 10.00-12.00.
Credit units 4.
Professor Lamson.

Geology 2b—Required in Agriculture-Science Course.
Sophomore Year, Second Semester.

This course is a study of the elements of structural and historical geology. The most common minerals and rocks are studied, both in the classroom and in the field. A collection is made by the student.

Special emphasis is placed upon the relation of rock formations to the soil, the effects of rivers and glaciers, and the evidence in the rocks of the history of animal and plant life.

Three hours lecture—Monday 9.00, Wednesday 9.00, Friday 9.00.
Credit units 3.
Professor Lamson.

Entomology 3—Elective. Junior Year, Both Semesters.

Advanced Economic Entomology—This course is intended for those who wish to give special study to this subject, either to supplement their work in agriculture or science, or to furnish a preparation for future entomological work.

Among the subjects considered will be the following: insect anatomy and physiology, classification of insects, development, insect photography, insect behaviour, insect ecology, entomological literature, insects in relation to plants, animals, and other insects, insects in relation to transmission of disease, and insect control. Prerequisite, Entomology 2b.

Two hours lecture—Wednesday 9.00, Friday 9.00.
Four hours laboratory—Tuesday 2.10-4.00, Thursday 2.10-4.00.
Credit units 8.
Mr. Manter.

Chemistry 1—Required in all Courses. Freshman Year, Both Semesters. Sophomore Year, Both Semesters.

The work of the first semester is devoted to a study of the fundamental principles of chemistry in connection with the descriptive chemistry of the non-metallic elements. A further study of the fundamental principles of chemistry in connection with the descriptive chemistry of the metallic elements is given in the second semester. During both semesters attention is given to the concepts of heat, light, and electricity in their relation to the science. In this course special stress is laid upon training the student in careful manipulation, thoroughness of observation, arriving at correct conclusions, and proper note taking.

No previous study of chemistry is required for admission to this course, but the instruction will be so arranged that students who have had chemical work in high school may receive laboratory work of a somewhat advanced character, in order that the knowledge which they already have of the subject may be utilized. Text, Smith's General Chemistry for Colleges.

Two hours lecture—Wednesday 8.00.
Four hours laboratory—Tuesday 10.00-12.00, Thursday 10.00-12.00.
Credit units 8.
Professor Newton, Mr. Hughes.

Chemistry 2—Required in Mechanic Arts Course. Sophomore Year, Both Semesters.

This is a course in the systematic analysis of inorganic substances presented from the modern ionic viewpoint. It is intended that the work of this course shall broaden the student's knowledge of inorganic chemistry, give ample practice in manipulation, and emphasize the principles involved in chemical analysis. After the student has become expert in the analysis of unknown mixtures prepared in the laboratory, he will be required to analyze unknown industrial products, such as fertilizers, insectides, paints, and the like. This course serves as an introduction to quantitative analysis, and should be taken by all who intend to follow chemistry as a vocation. Texts, W. A. Noyes, Qualitative Analysis; Stieglitz, Qualitative Chemical Analysis, Vol. 1, Theoretical.

Two hours lecture—Wednesday 8.00, Saturday 8.00.
Four hours laboratory—Tuesday 10.00-12.00, Thursday 10.00-12.00.
Credit units 8.
Professor Newton, Mr. Hughes.

Chemistry 2a—Elective. Sophomore Year, First Semester.

This course is devoted to a careful study of the more important principles of inorganic chemistry and of the practical applications of these principles to the problems of every-day life. Special attention is given to the chemistry of the air, soil, fertilizers, and to plant food requirements, etc. Text, Tottingham and Ince, Chemistry of the Farm and Home.

Two hours lecture—Tuesday 9.00, Thursday 1.10.
Two hours laboratory—Tuesday 2.10-4.00.
Credit units 3.
Professor Newton, Mr. Hughes.

Chemistry 3—Required in Home Economics Course.
Junior Year, Both Semesters.

Organic and Physiological Chemistry—The work of the first semester, in the lecture room, consists of a study of the more important classes of organic compounds such as the aliphatic and aromatic hydrocarbons, alcohols, phenols, and others. The lectures are illustrated by lecture table experiments and prepared compounds from the chemical museum. In the laboratory the student is made familiar with the operation and apparatus involved in organic work, such as fractional distillation, crystallization, determination of melting and boiling points, and with various methods of preparation, such as saponification, nitration, sulphonation, reduction and oxidation. The work of this course is preparatory to the work of the following semester.

Lectures and laboratory work on nutrition as related to both humans and the domestic animals is the principal subject of study in the second semester. This study treats of the chemistry of the proteins, fats and carbohydrates; enzymes and their action; the cell and its direct nutrition; blood and lymph as carriers of nutrients to the cell, and waste products from the cell; the production and repair of tissues; the excretions, including the urine and feces as carriers of waste products. The course also includes further instruction in the subject of organic chemistry so far as it applies to the subject of physiology. Text, Hawk, Practical Physiological Chemistry.

One hour lecture—Tuesday 1.10.
Four hours laboratory—Monday 2.10-4.00, Friday 2.10-4.00.
Credit units 6.
Professor Newton, Mr. Hughes.

Chemistry 4—Elective. Senior Year, Both Semesters.

In this course one half of the first semester is devoted to gravimetric analysis and the other to volumetric analysis. This work is regarded as preliminary training for the problem work of the second semester and the time is spent upon processes which are typical of the two divisions of the subject. Much stress is laid upon the accuracy, care, and intellectual honesty necessary for successful quantitative work. Attention is given to the modern theory of solution and to stoichiometry as applied to quantitative analysis. Texts, Gooch, Representative Procedures in Quantitative Chemical Analysis; Treadwell, Analytical Chemistry, Vol. 2.

In the second semester each student is given one or more problems which may be solved, in part at least, by analytical chemistry. Through the solution of these problems he becomes acquainted with the methods of research and the proper use of literature in the field of chemistry.

Eight hours laboratory.
Hours by appointment.
Credit units 8.
Professor Newton.

Physics 2b—Required in Mechanic Arts Course.
Sophomore Year, First Semester.

The elements of mechanics and heat with a little work in electricity will be covered in this course. Laboratory practice will constitute a part of the course, and opportunity will be given to visit plants in neighboring cities where numerous physical principles can be seen applied.

Two hours lecture—Tuesday 8.00, Friday 8.00.
Two hours laboratory—Monday 10.00-12.00.
Credit units 3.
Professor Wheeler.

Physics 2b—Required in Mechanic Arts Course.
Sophomore Year, Second Semester.

A continuation of Physics 2a.
Two hours lecture—Tuesday 8.00, Friday 8.00.
Two hours laboratory—Monday 10.00-12.00.
Credit units 3.
Professor Wheeler.

Mathematics A—Elective. Freshman Year, Both Semesters.

Military Field Engineering—This course will include military map making, bridges, roads, etc., along lines given in the text-book, which will be Leasch's Field Engineering, Professional Paper 29, Corps of Engineers, U. S. Army.

Four hours laboratory—Tuesday 10.00-12.00, Thursday 10.00-12.00.
Credit units 4.
Professor Wheeler.

Mathematics 1—Required in Mechanic Arts Course.
Freshman Year, Both Semesters.

Advanced Algebra, Trigonometry and Solid Geometry—The usual subjects in advanced algebra will be covered. Plane trigonometry only is to be studied, including the solution of right and of oblique triangles, and the proof of all formulas used. Twenty individual problems must be solved by each student. Solid geometry will be introduced by practice in drawing lines, planes, and combinations of these, to represent models illustrating the theorems.

Three hours—Tuesday 3.00, Thursday 3.00, Friday 3.00.
Credit units 6.
Professor Wheeler.

Mathematics 2a—Required in Mechanic Arts Course.
Sophomore Year, First Semester.

Analytic Geometry—This course will include loci, and their equations, the straight line, the circle, polar system, the parabola, the ellipse, and the hyperbola.

Four hours—Announcement by Department of Mechanic Arts.
Credit units 4.
Professor Wheeler.

Mathematics 2c—Required in Mechanic Arts Course.
Sophomore Year, First Semester.

Descriptive Geometry—There will be recitations and drawing exercises in the solution of geometrical problems by orthographic projection, in this course.

One hour lecture--Announcement by Department of Mechanic Arts.
Two hours laboratory.
Credit hours 2.
Professor Fitts.

Mathematics 3a—Required in Mechanic Arts Course.
Junior Year, First Semester.

Differential Calculus—This course will include functions, differentiation, expansion of functions, indeterminate forms, representation of various curves, direction of curves, maxima and minima, evolutes and involutes.

Four hours—Announcement by Department of Mechanic Arts.
Credit units 4.
Professor Wheeler.

Mathematics 3c—Required in Mechanic Arts Course.
Junior Year, First Semester.

Plane Surveying—A course in elementary surveying, including field practice with compass, level, and transit, and office practice in mapping and computation. Text-books: Tracy's Plane Surveying and Tracy's Exercises in surveying.

One hour lecture—Announcement by Department of Mechanic Arts.
Three hours laboratory.
Credit Units 2½.
Professor Wheeler.

Mathematics 3b—Required in Mechanic Arts Course.
Junior Year, Second Semester.

Integral Calculus—Elementary forms of integration, trigonometric integrals, application of integration to plane curves, and successive integration will be studied in this course.

Four hours—Announcement by Department of Mechanic Arts.
Credit units 4.
Professor Wheeler.

Shop 1a—Required in Agriculture-Science Course.
Freshman Year, First Semester.

Wood-Working and Drawing—This course deals with a study of the methods used by carpenters in building construction, the estimating of building material, the study and reading of blue-prints and the drafting of construction plans.
Three hours laboratory—Saturday 9.00-12.00.
Credit units 1½.
Mr. Duffee.

Shop 1b—Required in Agriculture-Science Course.
Freshman Year, Second Semester.

Forging and Drawing—As the forging exercises are worked out from blue-prints the shop work will be preceded by the study and making of them. In the shop various exercises are given in the working of iron and steel, which fit the student for repairing farm machinery.
Three hours laboratory—Saturday 9.00-12.00.
Credit units 1½.
Professor Fitts.

Mechanic Arts 1—Required in Mechanic Arts Course.
Freshman Year, Both Semesters.

Mechanical Drawing—In this course the use of the drawing board, T square and triangles will be explained and demonstrated. The course will include the following exercises: drawing straight lines, cross hatching, geometrical problems, inking, shading, projection of points, lines, planes and solids, curves, shadows, and perspective, tracing and blue-printing.
Three hours laboratory.
Credit units 3—Announcement by Department of Mechanic Arts.
Professor Fitts.

Mechanic Arts 1a—Required in Mechanic Arts Course.
Freshman Year, First Semester.

Carpentry—This course includes the care and use of carpenter's tools; instruction in making the various joints; stair construction, rafter cutting, use of the steel square, estimating board feet and bills of material.
Three hours laboratory—Announcement by Department of Mechanic Arts.
Credit units 1½.
Professor Fitts.

Mechanic Arts 1b—Required in Mechanic Arts Course.
Freshman Year, Second Semester.

Wood Turning—There will be instruction in the care of the engine and motor in this course. Each student in his turn will act as engineer. There will be exercises in wood turning, including work between centers, face plating, chucking, finishing and polishing.

ANOTHER VIEW OF THE CAMPUS

EXPERIMENTAL PLOTS

Three hours laboratory—Announcement by Department of Mechanic Arts.
Credit units 1½.
Professor Fitts.

Mechanic Arts 2a—Required in Mechanic Arts Course.
Sophomore Year, First Semester.

Pattern Making and Foundry—This course includes the making of simple patterns and core boxes, with instruction concerning draft, finish, shrinkage and woods, and it is concluded by the molding and casting of the patterns made. The casting will be done in soft metal.

Four hours laboratory—Announcement by Department of Mechanic Arts.
Credit units 2.
Professor Fitts.

Mechanic Arts 2b—Required in Mechanic Arts Course.
Sophomore Year, Second Semester.

Machine Joinery—In this course various articles of furniture and farm appliances will be made on the wood-working machines. Bench work will be eliminated as far as possible. Factory methods of quantity production will be explained and demonstrated.

Four hours laboratory—Announcement by Department of Mechanic Arts.
Credit units 2.
Professor Fitts.

Mechanic Arts 2d—Required in Mechanic Arts Course.
Sophomore Year, Second Semester.

Machine Drawing—This course is detail and assembly drawing of simple machine parts.

Three hours laboratory—Announcement by Department of Mechanic Arts.
Credit units 1½.
Professor Fitts.

Mechanic Arts 3—Required in Mechanic Arts Course.
Junior Year, Both Semesters.

Machine Shop—This course includes general care of shop and machines, and centering, boring, turning, chucking, thread cutting, taper turning and face plate work on the engine lathe, combined with bench work and exercises on the shaper, drill and other machines.

Three hours laboratory, first semester—Announcement by Department of Mechanic Arts.
Four hours laboratory, second semester.
Credit units 10.
Professor Fitts.

Mechanic Arts 3a—Required in Mechanic Arts Course.
Junior Year, First Semester.

Machine Elements—Drawing out various mechanical problems in the use of belts, gears, levers, and other machine parts.

Three hours laboratory—Announcement by Department of Mechanic Arts.

Credit units 1½.

Professor Fitts.

Mechanic Arts 3c—Required in Mechanic Arts Course.
Junior Year, First Semester.

Direct Currents—This course is a study of direct currents as furnished by dynamos and cells and their application for commercial use.

Three hours lecture—Announcement by Department of Mechanic Arts.

Credit units 3.

Professor Fitts.

Mechanic Arts 3b—Required in Mechanic Arts Course.
Junior Year, Second Semester.

Alternating Currents—Alternating currents, their transmission, transformers and their application for commercial use as compared with direct currents, will be studied in this course.

Three hours lecture—Announcement by Department of Mechanic Arts.

Credit units 3.

Professor Fitts.

Mechanic Arts 3d—Required in Mechanic Arts Course.
Junior Year, Second Semester.

Forging—The exercises consist of the drawing, welding and bending of iron, the forging, filing and tempering of steel and the making of machine tools.

Three hours laboratory—Announcement by Department of Mechanic Arts.

Credit units 1½.

Professor Fitts.

Mechanic Arts 3f—Required in Mechanic Arts Course.
Junior Year, Second Semester.

Applied Mechanics—This course will include horse-power, energy, forces acting at a point, center of gravity, friction, uniform acceleration, and practical problems.

Three hours lecture—Announcement by Department of Mechanic Arts.

Credit units 3.

Professor Fitts.

Mechanic Arts 4—Required in Mechanic Arts Course.
Senior Year, Both Semesters.

Power Plants—This course will include the study of elementary steam power plants, fuel and combustion, boilers, stokers, superheaters, chimneys, draft, steam engines, condensers, separators, pumps, and other apparatus.

Three hours lecture—Announcement by Department of Mechanic Arts.

Two hours laboratory.

Credit units 8.
Professor Wheeler.

Mechanic Arts 4a—Required in Mechanic Arts Course.
Senior Year, First Semester.

Gas Engines—This course is a study of the principles and design of the gas and the gasoline engine. The laboratory work will be the taking down and assembling of one or more engines.

Two hours lecture—Announcement by Department of Mechanic Arts.
Two hours laboratory.
Credit units 3.
Professor Fitts.

Mechanic Arts 4b—Required in Mechanic Arts Course.
Senior Year, Second Semester.

Mechanics of the Automobile—This course is a study of the mechanics of the automobile, and the taking down, assembling and adjusting of the various parts.

One hour lecture—Announcement by Department of Mechanic Arts.
Two hours laboratory.
Credit units 2.
Professor Fitts.

Mechanic Arts 4c—Required in Mechanic Arts Course.
Senior Year, First Semester.

Hydraulics—This course is a study of flow and discharge of streams, pipes and sewers, and of hydraulic plants for power.

One hour lecture—Announcement by Department of Mechanic Arts.
Two hours laboratory.
Credit units 2.
Professor Wheeler.

Mechanic Arts 4d—Required in Mechanic Arts Course.
Senior Year, Second Semester.

Materials of Engineering—This course will be a study of the sources, manufacture and properties of important materials used in engineering; the mixing and testing of cements and concretes.

Two hours lecture—Announcement by Department of Mechanic Arts.
Two hours laboratory.
Credit units 3.
Professor Wheeler.

Mechanic Arts 4e—Required in Mechanic Arts Course.
Senior Year, First Semester.

Thermodynamics—Thermodynamics include a study of the properties of gases, saturated and superheated vapors, especially of air and steam, of the flow of fluids through orifices, nozzles, and pipes, and of the various cycles of hot air engines, internal combustion and steam engines, of the turbine, the air compressor, and of refrigerating systems.

One hour lecture—Announcement by Department of Mechanic Arts.

Two hours laboratory.

Credit units 2.

Professor Wheeler.

Mechanic Arts 4f—Required in Mechanic Arts Course.
Senior Year, Second Semester.

Engineering Seminar—In this course there will be discussion of original problems, a review of current technical journals, supplemented with an occasional lecture or demonstration by a technical man not connected with the college.

Two hours lecture—Announcement by Department of Mechanic Arts.

Credit units 2.

Professor Fitts.

Home Economics 1—Required in Home Economics Course.
Freshman Year, Both Semesters.

Design—This course will be a study of general principles of design, line, spacing, tone and color, with practical applications.

Three hours laboratory—Announcement by Department of Home Economics.

Credit units 3.

Home Economics 1a—Required in Home Economics Course.
Freshman Year, First Semester.

Sewing—This course consists of a rapid review of the principal stitches in hand sewing, applied directly to the making of useful articles, practice in mending and repairing garments, the cost and care of clothing, the use of the sewing machine in the making of a set of underwear and other simple articles of clothing adapted to the skill and needs of the class.

Two hours lecture—Announcement by Department of Home Economics.

Four hours laboratory.

Credit units 4.

Home Economics 1b—Required in Home Economics Course.
Freshman Year, Second Semester.

Foods—This is an introductory course to teach the elements of plain cookery, using typical foods and typical cooking processes. The lecture and recitation work will be a study of the sources, composition, preservation and cost of food, and will be closely correlated with practice.

Three hours lecture—Announcement by Department of Home Economics.

Four hours laboratory.

Credit units 3½.

Home Economics 2a—Required in Home Economics Course. Sophomore Year, First Semester.

House Sanitation and Care—This course will include the technique of household processes, the study of tools and utensils for cleaning, labor-saving devices, laundry practices, and household routine of work.

Two hours lecture—Announcement by Department of Home Economics.

Credit units 2.

Home Economics 2c—Required in Home Economics Course. Sophomore Year, First Semester.

Foods—This course is a continuation of the freshman course with special emphasis upon the preparation and serving of meals.

Two hours lecture—Announcement by Department of Home Economics.

Four hours laboratory.

Credit units 4.

Home Economics 2d—Required in Home Economics Course. Sophomore Year, Second Semester.

Dressmaking—This will be a course in the use of patterns and drafts applied to the making of simple garments. Special emphasis is laid upon the independence of the student in cutting and adapting patterns to her own needs. The work of the course will also include practice in fine hand sewing and simple embroidery.

Two hours lecture—Announcement by Department of Home Economics.

Three hours laboratory.

Credits units 3½.

Home Economics 3a—Required in Home Economics Course. Junior Year, First Semester.

House Construction—This course will be a study of the evolution of shelter, the house and its history, principles of house planning, and of typical house plans.

One hour lecture—Announcement by Department of Home Economics.

Two hours laboratory.

Credit units 2.

Home Economics 3c—Required in Home Economics Course. Junior Year, First Semester.

Textiles and Dressmaking—This course includes a thorough study of household textiles, their courses, manufacture and adulterations. Text-book, Workman and McGowan, Textiles. The practice in dressmaking consists of advanced work in cutting, fitting and drafting.

Two hours lecture—Announcement by Department of Home Economics.

Four hours laboratory.

Credit units 4.

Home Economics 3b—Required in Home Economics Course. Junior Year, Second Semester.

Nutrition—This is a course in the principles of human nutrition with practice in planning dietaries in relation to these principles, the comparative cost and nutritive value of foods, and the consideration of the special problems that arise in the planning, purchase, cooking and serving of food to the family.

Two hours lecture—Announcement by Department of Home Economics.

Four hours laboratory.

Credit units 4.

Home Economics 3d—Required in Home Economics Course. Junior Year, Second Semester.

House Furnishing and Decoration—This course is a study of the interior decoration of the house and its furnishings, the history of furniture, its selection and cost.

One hour lecture—Announcement by Department of Home Economics.

Two hours laboratory.

Credit units 2.

Home Economics 4—Required in Home Economics Course. Senior Year, Both Semesters.

Household Management—This course centres about the home, its evolution, history and place in society, its management, the division of work and income, the home maker's duty as a consumer and other subjects vital to its interests.

Two hours lecture—Announcement by Department of Home Economics.

Credit units 4.

Home Economics D—Required in Home Economics Course. Senior Year, Both Semesters.

Home Economics Problems—This course comprises study and research in selected fields of home economics problems. It will require original work from each student in the form of experiments, reports, and the like.

Two hours—Announcement by Department of Home Economics.

Credit units 4.

Home Economics 4a—Required in Home Economics Course. Senior Year, First Semester

Home Nursing—A course planned to give instruction in the treatment of emergencies and in simple methods of caring for the sick in the home. Practical work includes care of the sick room, bed making, bandaging, invalid diet.

Two hours lecture—Announcement by Department of Home Economics.

One hour laboratory.

Credit units 2½.

English 1—Required in All Courses.
Freshman Year, Both Semesters.

Composition-Rhetoric—The aim is the acquisition of skill in correct expression. Text: Woolley's Handbook of Composition.
Three hours—Monday 9.00, Wednesday 9.00, Friday 9.00.
Credit units 6.

English 2—Required in All Courses.
Sophomore Year, Both Semesters.

English Literature—A general reading course in English literature, the aim of which is an understanding and appreciation of the great writers, and of the forms into which literature naturally falls. Lectures and conferences. Text, Long.
Two hours—Monday 8.00, Thursday 8.00.
Credit units 4.

English 3—Elective. Junior Year, Both Semesters.

English Literature—A course in study of the English writers of the eighteenth and nineteenth centuries. Lectures and readings.
Two hours—Tuesday 10.00, Thursday 10.00.
Credit units 4.
Professor Monteith.

Public Speaking 3b—Elective. Junior Year, Second Semester.

This course will include fundamentals in the use of voice and body; practical application in speaking and debating; extemporaneous speaking, and the preparation of original speeches. The aim of the course is to develop the power to think when upon the feet and to secure a vocabulary of delivery as well as of composition.
Two hours lecture—Thursday 1.10, Saturday 8.00.
Credit units 2.
Miss Wallace.

Public Speaking 4—Elective. Senior Year, Both Semesters.

This course will be advanced work. Practical problems will be chosen to develop the prerequisite course. It is designed for students who intend to work in the extension service. Prerequisite, Public Speaking 3b.
One hour lecture—Monday 10.00.
Credit units 2.
Miss Wallace.

French 1—Required in Home Economics and Mechanic Art Courses.
Freshman Year, Both Semesters.

Elementary French—A course in composition, reading, and grammar of the French language. The aim is a swift acquisition of a competent vocabulary and the ability to read at sight.
Three hours—Monday 1.10, Wednesday 1.10, Friday 1.10.
Credit units 6.

French 2—Required in Home Economics and Mechanic Arts Courses. Sophomore Year, Both Semesters.

Intermediate French—A course in reading of French stories, novels, plays and current scientific texts.

Three hours—Tuesday 9.00, Thursday 9.00, Saturday 9.00.
Credit units 6.

French 3—Elective. Junior Year, Both Semesters.

French Literature—A course in the literature and science of France, based upon the individual needs of students.

Three hours—Monday 10.00, Wednesday 10.00, Friday 10.00.
Credit units 6.

German 1—Required in Home Economics and Mechanic Arts Courses. Both Semesters.

A course in the reading of elementary German texts, with grammar and composition work.

Three hours—Monday 1.10, Wednesday 1.10, Friday 1.10.
Credit units 6.
Miss Whitney.

German 2—Required in Home Economics and Mechanic Arts Courses. Both Semesters.

Prerequisite, German 1—A more advanced course in the rapid reading of texts more difficult than in the preceding course, with attention to grammar and composition, and special emphasis upon Scientific German.

Three hours—Tuesday 9.00, Thursday 9.00, Saturday 9.00.
Credit units 6.
Miss Whitney.

German 3—Elective. Junior Year, Both Semesters.

This course will be a rapid and comprehensive review of German grammar and composition and the reading of advanced German. Special attention will be paid to oral work and practice.

Three hours—Monday 10.00, Wednesday 10.00, Friday 10.00.
Credit units 6.
Miss Whitney.

History 2b—Required in Home Economics Course. Sophomore Year, Second Semester.

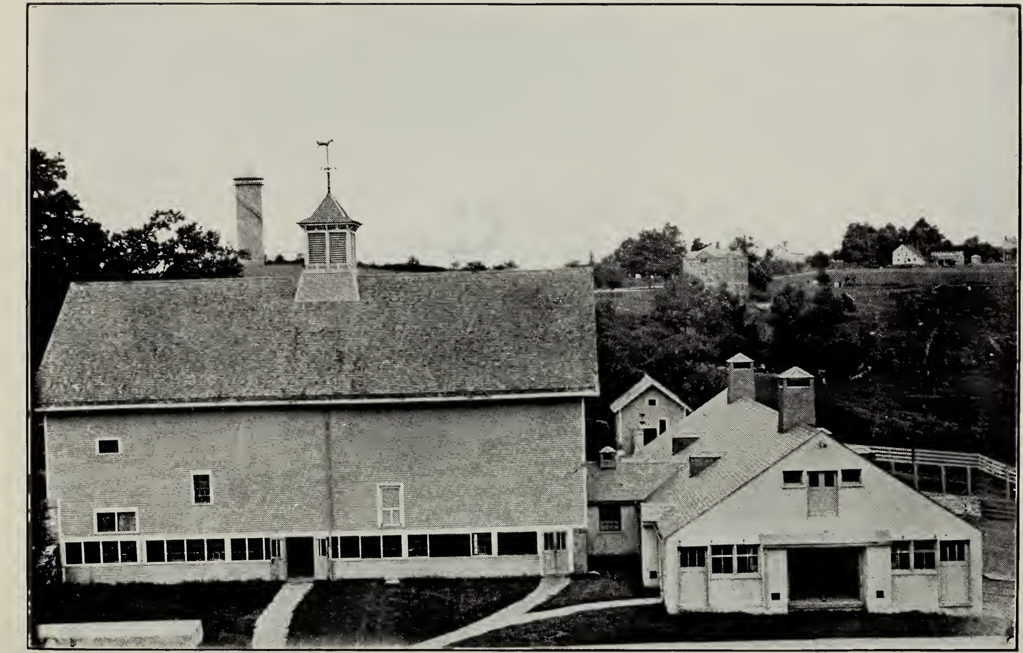
Social and Industrial History—This is a course for the study of the great forces in the world's history which have had special bearing upon the social and industrial fabric of society.

Three hours lecture—Announcement by Department of Home Economics.
Credit units 3.

History 3—Required in Agriculture-Science and Home Economics Courses. Junior Year, Both Semesters.

Constitutional History of the United States—The formation and growth of the constitution of the United States. Lectures and required readings.

DAIRY BUILDING



DAIRY BARNS

Three hours—Tuesday 11.00, Thursday 11.00, Saturday 11.00.
Credit units 6.
Professor Monteith.

History 4—Elective. Senior Year, Both Semesters.

European History—The history of Europe from the reign of Louis XIV. Lectures and text recitation.
Two hours—Monday 11.00, Friday 11.00.
Credit units 4.
Professor Monteith.

Sociology 4—Elective. Senior Year, Both Semesters.

An Introduction to Sociology—A course dealing with the coordination and integration of the factors in human progress, having particular reference to rural social organization.
Two hours—Wednesday 11.00, Saturday 10.00.
Credit units 4.
Professors Eaton, Smith, Messrs. Price, Baker, Davis, Brundage and others.

Economics 2a—Elective. Sophomore Year, First Semester.

The Geography of Commerce—A study, through text, discussion and lectures of the facts and principles of commerce and the commercial development of nations. The importance of natural physical conditions as determinants of commerce is emphasized, as well as that of transportation and exchange facilities. Ports and ocean trade routes are also considered. The more important commodities of commerce are studied and the region of their production, their markets and prices. Finally a comparison is made of the chief commercial countries of the world.
Three hours lecture.
Credit units 3.
Professor Smith and Mr. Price.

Economics 3a—Required in Agriculture-Science Course. Junior Year, First Semester.

Elementary Economics—This is a course dealing with the nature and scope of economics; the evolution of economic society; definition of economic terms; the character and forms of wealth; the part played by land, labor and capital in the production of wealth; the consumption of wealth; the principles of value and price; monopoly; the types of business organization, including corporations; the principles of money and banking and international trade.

The work will be based upon a text, lectures, assigned readings and written papers.
Three hours lecture—Monday 11.00, Wednesday 11.00, Friday 11.00.
Credit units 3.
Mr. Price.

Economics 3b—Required in Agriculture-Science Course. Junior Year, Second Semester.

Elementary Economics (continued)—The distribution of wealth in the form of rent, interest, wages, and profits, labor problems, transportation, insurance, socialism, taxation, and public finance will be studied in this course.

The work will be based upon a text, lectures, assigned readings and written papers. Prerequisite, Economics 3a.

Three hours lecture—Monday 11.00, Wednesday 11.00, Friday 11.00.
Credit units 3.
Mr. Price.

Economics 4a—Senior Year, First Semester.

Agricultural Economics—In general this will be a study of the three factors of production, land, labor and capital, as applied to agriculture. Special attention will be given to certain problems such as the shift in population, land valuation, agricultural labor and wages, land tenure and rural credit; including a thorough study of the Federal Farm Loan System. The work will be based upon a text, lectures, assigned readings and a thesis. Prerequisites, Economics 3a and 3b.

Three hours—Tuesday 11.00, Thursday 11.00, Saturday 11.00.
Credit units 3.
Professor Smith, Mr. Price.

Economics 4b—Elective. Senior Year, Second Semester.

The Marketing of Farm Products—This is a course dealing with the fundamentals of marketing; methods of sale; the wholesale produce trade; sale by auction; cold storage as a factor in marketing; transportation and marketing; the prices of farm products; produce exchanges and speculation; city markets; parcel post marketing and co-operative marketing.

This work will be based upon a text, lectures and investigations. Prerequisites, Economics 3a and 3b.

Three hours lecture—Tuesday 11.00, Thursday 11.00, Saturday 11.00.
Credit units 3.
Professor Smith.

Economics 4d—Elective. Senior Year, Second Semester.

Money and Banking—A study of the principles of money, coinage and coinage laws, legal tender, the relation of money and prices, bimetalism, the kinds of banks and the services they render, the national banking systems of this and other countries, with special attention to the Federal Reserve System.

Prerequisites, Economics 3a and 3b.
Three hours lecture.
Professor Smith and Mr. Price.

Education 3a—Required in Home Economics Course.
Junior Year, First Semester.

The Philosophy of Education—A study of present day organization and administration of schools in the light of educational theory; the social aspects of education; the values, principles and aims of education as exemplified in the curriculum.

Three hours—Monday 9.00, Tuesday 9.00, Wednesday 1.10.
Credit units 3.
Professor Eaton.

Education 3b—Required in Home Economics Course.
Junior Year, Second Semester.

Educational Psychology—A study of the laws of learning.
Two hours lecture—Monday 9.00, Wednesday 1.10.
Two hours laboratory—Tuesday 8.00-10.00.
Credit units 3.
Professor Eaton.

Education 4a—Required in Home Economics Course.
Senior Year, First Semester.

The Principles of Teaching—A study of the relations of teacher and pupil; class management; types and methods of teaching. Prerequisites, Education 3a and 3b.
Two hours lecture—Tuesday 10.00, Wednesday 10.00.
Two hours laboratory—Monday 2.10-4.00.
Credit units 3.
Professor Eaton.

Education 4b—Elective. Senior Year, Second Semester.

The Teaching of Agriculture—A study of organization, method, and procedure, in the teaching of agriculture in secondary schools. Prerequisite, Education 3a, 3b and 4a.
Two hours lecture—Tuesday 10.00, Wednesday 10.00.
Two hours laboratory—Monday 2.10-4.00.
Credit units 3.
Professor Eaton.

Education 4d—Required in Home Economics Course.
Senior Year, Second Semester.

The Teaching of Home Economics—The course will consist of a survey of the field of home economics, the problems that arise in its teaching, comparison of courses of study, the use of text-books and illustrative material, the discussion of class room methods and technique, problems in cooking and sewing adapted to children's needs, equipment of Home Economics laboratories, and like topics. Practice in planning lessons and courses of study adjusted to meet varying conditions will be emphasized, and individual work required of students in observation of classes and the preparation and teaching of a series of lessons in the schoolrooms in the neighborhood of the college. Prerequisites, Education 3a, 3b and 4a.
Two hours lecture.
Two hours laboratory.
Credit units 3.
Professor Hayes.

Philosophy 4—Elective. Senior Year, Both Semesters.

The History of Philosophy—A course dealing with the concepts of truth and knowledge as developed in the philosophical schools of Greece, Rome, France, Germany, Britain, and the United States.
One hour—Wednesday 9.00.
Credit units 2.
Professor Eaton.

Military Art 1a—Required of All Male Students.
Freshman Year, First Semester.

This course will be a study of the theory of target practice, individual and collective military organization, map reading, service of security, and personal hygiene.

One hour lecture—Tuesday 9.00.
Commandant.

Military Art 1b—Required of All Male Students.
Freshman Year, Second Semester.

General military policy of the United States, and military obligations of citizenship; service of information; combat; drill regulations to include School of Company and camp sanitation for small commands, will be studied in this course.

One hour lecture—Tuesday 9.00.
Commandant.

Military Art 2a—Required of All Male Students.
Sophomore Year, First Semester.

A course in drill regulations, to include School of Battalion and Combat; camping expedients; camp sanitation; and the military policy of the United States.

One hour lecture—Friday 9.00.
Commandant.

Military Art 2b—Required of All Male Students.
Sophomore Year, Second Semester.

This course will consist of Military History, and tactical problems in security and information.

One hour lecture—Friday 11.00.
Commandant.

Military Art 3a—Elective. Junior Year, First Semester, R. O. T. C.

A study of minor tactics; field orders; map manoeuvres; company administration; and Military History.

Three hours—Monday 8.00, Wednesday 8.00, Friday 8.00.
Credit units 3.
Commandant.

Military Art 3b—Elective. Junior Year, Second Semester, R. O. T. C.

This course will be a study of minor tactics; map manoeuvres; elements of international law; property accountability; and the method of obtaining supplies. There will be military sketching.

Three hours—Monday 8.00, Wednesday 8.00, Friday 8.00.
Credit units 3.
Commandant.

Military Art 4a—Elective. Senior Year, First Semester, R. O. T. C.

A course touching tactical problems; camp manoeuvres; court-martial proceedings; international relations of America from its discovery to the present day; growth of the principles of international law; the psychology of war and general principles of strategy.

Credit units 3.
Commandant.

Military Art 4b—Elective. Senior Year, Second Semester, R. O. T. C.

The topics are tactical problems; map manoeuvres; rifle in war; military history and policy.

Three hours—Tuesday 8.00, Thursday 8.00, Saturday 8.00.

Credit units 3.

Physical Education—For two hours a week all first year students are required to take systematic exercise under an instructor. Female students must continue the work during the sophomore year.

Drill—Military drill under a detailed officer of the United States Army is required of every male student. Students physically unfit for drill are assigned to the Signal Squad.

SCHOOL COURSE IN AGRICULTURE.

First Year

First Semester		Second Semester	
Title and Number	Credit Units	Title and Number	Credit Units
English 101	3	English 101	3
Animal Husbandry 101a	3	Poultry Husbandry 101b	3
Horticulture 101a	3½	Horticulture 101b	3
Agronomy 101a	3	Agronomy 101b	3
Dairy Husbandry 101a	3½	Agronomy 101d	3
Shop 101a	1½	Shop 101b	1½
Physical Education	1	Physical Education	1
Military Art 1a and Drill	1½	Military Art 1b and Drill	1½

Second Year

Public Speaking 102	1	Public Speaking 102	1
Botany 102a	4	History 102b	3
Chemistry 102a	4	Entomology 102b	3
Farm Management 102a	3	Forestry 102b	3
Dairy Husbandry 102a	3	Military Art 2b and Drill	1½
Veterinary Science 102a	2	Horticulture 102b	5½
Military Art 2a and Drill	1½	or	
		Poultry Husbandry 102b	3
		Dairy Husbandry 102b	3
		or	
		Dairy Husbandry 102d	4½

SYNOPSIS OF SCHOOL STUDIES

Dairy Husbandry 101a—Required.
First Year, First Semester.

Farm Dairying—A study of milk, its secretion, character, and composition; practice in testing milk with the Babcock test, the lactometer, and various acid tests; a study of hand power separators, their construction and method of running; practice in separating milk. Butter-making, including methods of ripening cream, churning, washing, salting, and packing butter; general principles of cheese making with practice in making a few kinds of soft cheese. Ice cream making.

Two hours lecture—Wednesday 8.00, Friday 8.00.
Three hours laboratory—Wednesday 1.10-4.00.
Mr. Campbell.

Dairy Husbandry 102a—Required.
Second Year, First Semester.

Animal Feeding—A study of the composition and digestibility of feeding stuffs; computing rations for farm animals, including horses, cattle, sheep and swine; methods of feeding and caring for farm animals.

Three hours lecture—Tuesday 10.00, Thursday 10.00, Saturday 10.00.
Mr. Campbell.

Dairy Husbandry 102b—Elective.
Second Year, Second Semester.

Market Dairying—This is a study of approved methods of producing and handling milk for direct consumption; requirements of city boards of health and states for sanitary milk; rules and methods of inspection of dairy plants and milk depots; production of certified milk.
Two hours lecture—Monday 11.00, Thursday 11.00.
Two hours laboratory—Tuesday 10.00-12.00.
Mr. Judkins.

Dairy Husbandry 102d—Elective. Second Year, Second Semester.

Dairy Herd Management—A study of the origin, development and characteristics of the dairy breeds; methods of registration and requirements for advanced registry; selection, feeding and handling of the dairy calf, the bull, the heifer and mature cow, and problems of herd management. In laboratory, practice is given in scoring cattle and comparative judging of animals.
Three hours lecture—Monday 9.00, Wednesday 9.00, Friday 9.00.
Three hours laboratory—Tuesday 1.10-4.00.
Professor White.

Poultry Husbandry 101b—Required. First Year, Second Semester.

Poultry Culture—A study of the poultry industry, the poultry farm, the breeds of poultry, selection and breeding, parasites and diseases, killing and dressing, and marketing.
Two hours lecture—Monday 9.00, Friday 9.00.
Two hours laboratory—Wednesday 10.00-12.00.
Mr. Warner.

Poultry Husbandry 102b—Elective. Second Year, Second Semester.

Poultry Management—The course continues and amplifies course 101b, which is prerequisite. It is designed to acquaint the student with the essential details of planning and managing commercial poultry plants.
Two hours lecture—Monday 10.00, Friday 10.00.
Two hours laboratory—Wednesday 10.00-12.00.
Mr. Warner.

Animal Husbandry 101a—Required. First Year, First Semester.

A course in elementary judging and a study of types and breeds of horses, cattle, sheep and swine, with special reference to their origin, history, development and characteristics. Text-books, Harper's "Animal Husbandry for Schools."
Two hours lecture—Monday 9.00, Thursday 9.00.
Two hours laboratory—Thursday 2.10-4.00.
Professor Garrigus.

Veterinary Science 102a—Required. Second Year, First Semester.

Anatomy and physiology of the digestive and respiratory systems; special pathology; disease and treatment; a general study of the common diseases of domestic animals, with treatment that may be safely used by the herdsman; special diseases of the dairy cow and young calves; prevention and treatment of the common contagious and parasitic diseases; surgery, castration, dehorning, general care and treatment of wounds and injuries.

Two hours lecture—Thursday 2.10, Friday 11.00.
Dr. Dow.

Agronomy 101a—Required. First Year, First Semester.

Field Crops—This course will be a study of Field Crops production with special emphasis on Eastern conditions.

One hour lecture—Thursday 1.10.
Four hours laboratory—Friday 1.10-3.00, Monday 1.10-3.00.
Professor Slate.

Agronomy 101b—Required. First Year, Second Semester.

Soil Management—This is an elementary course in soil management.

Two hours lecture—Wednesday 8.00, Saturday 8.00.
Two hours laboratory—Thursday 1.10-3.00.
Professor Slate.

Agronomy 101d—Required. First Year, Second Semester.

Farm Mechanics—This course deals with the use and repair of farm machinery and motors; the farm shop, its equipment and use.

One hour lecture—Wednesday 9.00.
Four hours laboratory—Wednesday 1.10-3.00, Friday 1.10-3.00.
Mr. Duffee.

Farm Management 102a—Required. Second Year, First Semester.

Farm Management 102a—This is a course dealing with the organization of the farm business.

Two hours lecture—Wednesday 8.00, Friday 8.00.
Two hours laboratory—Saturday 8.00-10.00.
Mr. Abell.

Horticulture 101a—Required. First Year, First Semester.

Fruit Growing—This is a course in general fruit growing, including a study of the different kinds of fruit; propagation and handling of fruit plants, location, soils and the laying out of orchards and fruit plantations, cultivation and handling of orchards; harvesting and storing fruit and a brief study of sprays and spraying.

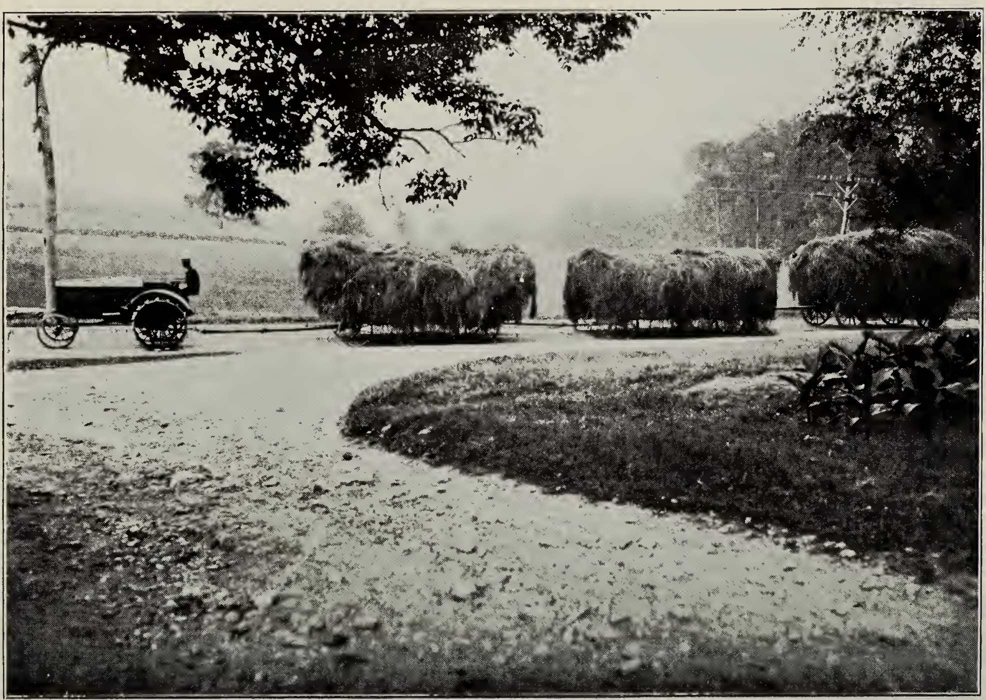
Two hours lecture—Tuesday 8.00, Thursday 8.00.
Three hours laboratory—Saturday 8.00-11.00.
Mr. Hollister.

Horticulture 101b—Required. First Year, Second Semester.

This course includes the divisions and foundations of horticulture; propagation of plants by various methods, seed inspection and identification, and seed germination; location and soils for market gardening and trucking, location and planning of home gardens; planting, cultivation, harvesting, storing and marketing of the principal vegetable crops.

One hour lecture—Tuesday 8.00.
Four hours laboratory—Monday 2.10-4.00, Thursday 8.00-10.00.
Mr. Stevens.

CENTRAL HEATING PLANT



MODERN TRACTION

Horticulture 102b—Elective. Second Year, Second Semester.

Advanced Fruit Growing—This course will include the study of fruit varieties, the more common diseases and methods of control, orchard pruning and spraying, purchasing supplies, marketing and advertising. Trips will be taken to several practical orchards and the results will be used in class.
Two hours lecture—Tuesday 8.00, Friday 8.00.
Three hours laboratory—Thursday 1.10-4.00.
Mr. Hollister.

Forestry 102b—Required. Second Year, Second Semester.

Farm Woodlot—A study will be made of the farm woodlot, including life history of the economic tree species, valuation survey, afforestation of waste areas, protection, harvesting, value of woodlot products, regeneration, and wood preservation on the farm.
Two hours lecture—Friday 2.10, Saturday 8.00.
Two hours laboratory—Saturday 10.00-12.00.
Mr. Moss.

Shop Work 101a—Required. First Year, First Semester.

Carpentry—Cost, care, and use of tools; making of various joints; rafter cutting; plank construction, and the making of useful appliances to be ironed later in the forging shop.
Three hours laboratory—Tuesday 1.10-4.00.
Mr. Blake.

Shop Work 101b—Required. First Year, Second Semester.

Forging—The exercises consist of the drawing, bending, and welding of iron, and the forging, filing and tempering of steel.
Three hours laboratory—Tuesday 1.10-4.00.
Professor Fitts.

Botany 102a—Required. Second Year, First Semester.

An elementary course in the structure, work, and systematic classification of plants, with special reference to economic forms.
Two hours lecture—Tuesday 11.00, Thursday 11.00.
Four hours laboratory—Monday 2.10-4.00, Wednesday 2.10-4.00.
Mr. Torrey.

Entomology 102b—Required. Second Year, Second Semester.

This course in entomology deals in an elementary way with the anatomy, classification and behavior of insects. Special emphasis is laid upon the life histories and control measures of the most important insect pests. Field trips are taken to enable the student to study types of insect injury and the insects causing the damage. The aim of the course is to enable the student to fight intelligently the many insect enemies found upon every farm.
Two hours lecture—Tuesday 9.00, Thursday 9.00.
Two hours laboratory—Wednesday 1.10-3.00.
Mr. Manter.

Chemistry 102a—Required. Second Year, First Semester.

This course is devoted to a careful study of the more important fundamental principles of inorganic chemistry and of the practical applications of the science to the problems of every-day life.

Two hours lecture—Tuesday 8.00, Thursday 8.00.
Four hours laboratory—Monday 10.00-12.00, Wednesday 10.00-12.00.
Mr. Hughes.

English 101—Required. First Year, Both Semesters.

This course aims to develop good English usage. Special attention will be given to the practical application of the principles of composition.

Three hours—Tuesday 11.00, Thursday 11.00, Saturday 11.00.
Miss Wallace.

Public Speaking 102—Required. Second Year, Both Semesters.

This course will be fundamental work in the use of voice and body. There will be practical application of principles in speaking.

One hour—Monday 8.00.
Miss Wallace.

History 102b—Required. Second Year, Second Semester.

History of the United States, with special reference to political questions, and the development of the West; and of the constitution, the Town, and the Federal and State governments in their relations.

Three hours—Monday 3.10, Wednesday 3.10, Friday 3.10.
Professor Monteith.

List of Students Who Have Earned the Degree of Bachelor of Science in 1916-17.

LeRoy Miller Chapman
Nathan Abraham Cohen
Paul Gerard Gross
Russell Spencer Harris
Joseph Benedict Kilbride
Albert Charles Klingman
Rixford Knight
John Albert Kuelling
Leslie Frederick Lawrence
Bernard Alphonsus McDonald, 1916
Edward Lewis Newmarker
Julian Harwood Norton
David Israel Peizer
George Lyman Prindle
Paul Lafargue Schwartz
William Daniel Shea
Alfred Charles Sheldon
Walter Bennett Smith
Walter Julius Ungethuem
Arthur Burnley Watson
Henry August Weidlich

List of Students Who Have Earned the Diploma of the Four-Year College Course in Agriculture.

Lawrence Abraham Hoffman
Henry Dodge Munroe
James Gilchrist Shirley
David Traurig
Frederick Monroe Trinder

List of Students Who Have Earned the Diploma of the Two-Year School Course in Agriculture.

Joseph Eugene Ayer
George Irving Ball
Spencer Weston Barlow
Ralph Weston Brown
Gaylord Trowbridge Cannon
Joseph Allison Crawford
Everett Duane Dow
William Clarence Edwards
Arthur Nelson Johnson
Eugene Arad Manning
Frederick Leon Scofield
Warren Hudson Slee
Noble Benoni Strong
Donald Laurence Thomsen
William Peck Tomlinson
John Peter Fletcher Luddy

List of Students Who Have Earned the Diploma of the Two-Year School Course in Home Economics.

Gladys Anna Beebe	Lelia Merrill Esten
Mildred Elizabeth Beebe	Mari Marguerite Pierce

SENIOR STUDENTS AWARDED PRIZES AT COMMENCEMENT EXERCISES 1917.

In Recognition of High Attainment in Scholarship.

Joseph Benedict Kilbride
John Albert Kuelling
Alfred Charles Sheldon

Ratcliffe Hicks Prizes.

Nathan Abraham Cohen
David Israel Peizer

Honor Students 1917.

College.

Howard Buck Goodrich, 1919

School

Frederick Leon Scofield, 1917

Enrollment

SENIOR CLASS

Barnes, Clark Amos	Mystic
Chapman, LeRoy Miller	Brooklyn
Cohen, Nathan Abraham	Hartford
Gross, Paul Gerard	Danbury
Harris, Russell Spencer	New London
Hoffman, Lawrence Abraham	New Haven
Kilbride, Joseph Benedict	New Haven
Klingman, Albert Charles	Richmond Hill, N. Y.
Knight, Rixford	Ansonia
Kuelling, John Albert	Brooklyn, N. Y.
Lawrence, Leslie Frederick	Ansonia
Mead, Sylvester Warren	Greenwich
Munroe, Henry Dodge	Campello, Mass.
Newmarker, Edward Lewis	Rockville
Norton, Julian Harwood	Bristol
Peizer, David Israel	Hartford
Prindle, George Lyman	Shelton
Shea, William Daniel	Waterbury
Sheldon, Alfred Charles	West Suffield
Shirley, James Gilchrist	Springfield, Mass.
Smith, Walter Bennett	New Haven
Traurig, David	Waterbury
Trinder, Frederick Monroe	New Britain
Ungethuem, Walter Julius	Westfield, Mass.
Watson, Arthur Burnley	Unionville
Weidlich, Henry August	Hartford

JUNIOR CLASS

Barrett, Rollin Hayes	New London
Beich, Thomas Henry	Boston, Mass.
Brown, William Harold, Jr.	Danbury
Busby, Alan Thacker	Worcester, Mass.
Clark, Walter Thompson	Granby, Mass.
Collin, Louis Henry, Jr.	New York, N. Y.
Dickinson, Elmer Newton	Glastonbury
Dillon, Joseph Raymond	Hartford
Edwards, Sidney Ackley	Naugatuck
Francis, Walter Lyman	Glastonbury
Hilldring, John Henry	Westport
Horne, Alton Irving	West Lynn, Mass.
Horton, Daniel Hart	Brooklyn, N. Y.
Johnson, Charles Arvid	Georgetown
Leffingwell, Harold Neale	Windham
Marquardt, Adrian Cyrus	Groton
Miller, Allie Waldron	Southwick, Mass.
Morse, Sanford Boughton	Cleveland, Ohio
Ryan, Cornelius Edward	Beachmont, Mass.

Sanford, Percil Lyman	Hadlyme
Sears, Percy Allison	Sag Harbor, N. Y.
Tappert, Adolph Gustave	West Cheshire
Thompson, Francis Benjamin	Worcester, Mass.
Wiepert, George Douglas	New Haven

SOPHOMORE CLASS

Bird, Arthur Conrad	Waterbury
Bridges, Harold Burnett	Worcester, Mass.
Brock, Charles Raymond	Whitneyville
Burnham, Charles Nelson, Jr.	Middlefield
Cassel, Lawrence Wells	Stratford
Clark, Helen Louise	Glenbrook
Crampton, Earle Wilcox	Middletown
Crosby, Lincoln Luzerne	Manchester
Daggett, Gladys Viola	Moosup
Dahinden, Albert Gilbert	Seymour
Durham, George Benjamin	Roslindale, Mass.
Ely, Ernest Stiles	Lyme
Gerhardt, William Begg	Colchester
Gleason, Howard Henry	Worcester, Mass.
Goodrich, Howard Buck	Rockfall
Hirsch, Donald Jacob	New York, N. Y.
Hopwood, Harry Alfred	Beacon Falls
King, Lloyd Coldwell	Millis, Mass.
Mallett, Alfred Curtis	Stratford
Manwaring, Paul Nelson	Wolcott
Mason, Thomas Dickinson	Farmington
Mattoon, Robert Treat	New Haven
Meagher, Edmond Francis	New London
Moore, Earle Russell	Winsted
Reeve, Arthur John	Unionville
St. Germain, Albert Edward	New London
Upham, Alfred Emmons	Waterbury
Wheeler, Noyes Denison	North Stonington
Wills, Carroll Dwight	Norwalk
Yellen, Jacob Joseph	Hartford

FRESHMAN CLASS

Alberti, Ludwig Carl	Dorchester, Mass.
Averill, Heman Perry	Washington Depot
Bailey, Harold Henry	Colchester
Bauer, Frederic	Newark, N. J.
Beers, John Frederick	Washington
Belden, Robert Fitch	Danbury
Bigger, John Henry	Bristol
Blevins, Earle David	Hartford
Brigham, Earle Everett	Worcester, Mass.
Evans, Douglas Abbott	Danbury
Feeney, Cyril Martin	Fall River, Mass.
Frostholm, Arthur William	Worcester, Mass.
Goodearl, George Percival	West Acton, Mass.
Goodrich, James Stillman	Wethersfield
Grant, Clarence James	Worcester, Mass.
Griswold, Crawford	Hartford
Guilfoile, Loretto Weir	Waterbury

Jackman, George Winthrop	Bridgeport
Kinnear, George Galland	North Stonington
Lawson, John Theodore	East Hartford
Lockwood, Harry Beecher	Watertown
Lucas, Russell Clifton	Magnolia, Mass.
McAuliffe, Joseph Henry	Westport
Mahoney, Francis Joseph	Worcester, Mass.
Miller, Flora May	Clinton
Murphy, Thomas Francis	Worcester, Mass.
Musser, John Benjamin	Storrs
Neumann, Charles William	West Haven
Nolan, Frank Joseph	Milford
Osborn, Minott Lowry	Woodbridge
Parcells, Norman Henry	Washington Depot
Quinn, Francis Joseph	Bridgeport
Randall, Edward Vincent	Washington
Rapoport, Aaron	Willimantic
Ryan, John Francis	Worcester, Mass.
Sanger, Bernice Angene	Putnam
Sawin, Edward Parker	Randolph Center, Vt.
Schimmel, William John Henry	Evergreen, N. Y.
Scott, Dwight Japy	Waterbury
Shafer, Stanley Irving	Naugatuck
Tonry, Henry Lincoln	Bridgeport
Wheaton, Sidney Levi	South Manchester
Whittlesey, John Thompson	Rockville
Williams, Frank Vinton	Buckland
Wilkinson, Clifford Ernest	North Stonington
Wilson, Edward Winthrop	Bridgeport
Wooding, Franklin Wheeler	North Haven
Wright, Herbert Willis	New Haven

SPECIAL STUDENTS

Arnold, Fred Emanuel, Jr.	Cape May, N. J.
Bailey, Egbert James	Orange, N. J.
Blake, Helen Edith	Storrs
Burdue, Pearl Slate	Storrs
Christopher, John	East Hampton
Coley, Henry Wakeman, Jr.	Westport
Davila, Cesar Amando	Merida, Venezuela
Downs, Paul Andrew	Storrs
Emmons, Edward Norton	North Bennington, Vt.
Friedland, Fred E.	Durham
Gould, Louise Elizabeth	Storrs
Harvey, Samuel Hugh	Willimantic
Hodges, George Vincent	Cambridge, Mass.
Kaseowitz, Harold	Norwich
Kimball, Lois Amy	Moodus
Long, Isabel	North Coventry
McCarthy, John Thomas	Bridgeport
Miller, Joseph Solomon	Meriden
Quick, Minnie Boyce	Watertown
Schwartz, Paul Lafargue	Brooklyn, N. Y.
Weldon, Thomas Carter	South Manchester
Wright, John Lindsey	Putnam

SCHOOL OF AGRICULTURE

Second Year

Ayer, Joseph Eugene	North Franklin
Ball, George Irving	Hackensack, N. J.
Barlow, Spencer Weston	Watertown
Beebe, Gladys Anna	Storrs
Beebe, Mildred Elizabeth	Storrs
Bingham, James Clarke	Ridgewood, N. J.
Brown, Ralph Weston	Central Village
Cannon, Gaylord T.	New Haven
Crawford, Bertram Allison	Norwalk
Crawford, Joseph Myron	New Canaan
Dow, Everett Duane	Hartford
Edwards, William Clarence	Shelton
Esten, Lelia Merrill	Storrs
Homer, Willis Heald	New Haven
Johnson, Arthur Nelson	Greenwich
Luddy, John Fletcher	Hazardville
McLay, Irving Forbes	New Haven
Manning, Eugene Arad	Yantic
Pierce, Mari Marguerite	Suffield
Rincones, Miguel Anthony	Brooklyn, N. Y.
Scofield, Frederick Leon	Brooklyn, N. Y.
Slee, Warren Hudson	Aberdeen, Md.
Storrs, Stedman William	Mansfield Center
Thomsen, Donald Laurence	Paterson, N. J.
Tomlinson, William Peck	Woodbridge
Ude, Franz Edward	Suffield

First Year

Alperin, Eva	Mansfield
Anderson, Edith Marie	Brookfield Center
Auclair, Randolph	Norwich
Baldwin, Clarence Frank	Woodbridge
Bancroft, Earle Judson	East Windsor Hill
Beebe, Christine Erminia	Storrs
Benson, Gertrude Ingaberg	South Willington
Benton, Seth Farnham	Morris
Bochman, Gustave, Jr.	Hartford
Callahan, Burton Edward	Wethersfield
Chamberlain, Robert Lintere, Jr.	Greenwich
Collins, Asher Allan	Wapping
Cowham, Frederick Elkin	New Rochelle, N. Y.
Dunham, Howard Hall	East Hampton
Fairchild, Ralph Elbert	Meriden
Frickel, Herbert Louis	Bridgeport
Gildersleeve, Donald Child	Norwich
Gillette, Miner Hallock	Haddam
Gode, Rudolph Larberg	Cheshire
Haines, Jason Samuel, Jr.	Bridgeport
Hale, Henry Gregory	East Hartford
Kerr, James Wilfrid	Elmhurst, N. Y.
LeFebvre, Wilson Lee	Collinsville
Leffingwell, Burton Alpheus	Canaan
Liskovec, Frank	South Willington

Luce, Bartlett Bayeux	Bronxville, N. Y.
Maguire, Horatio Eudibus, Jr.	Bayonne, N. J.
Manchester, Seward Haigh	Winsted
Marcus, Axel Joseph	New Rochelle, N. Y
Marsh, Whitney LaDue	Branford
McFetridge, Henry	Hartford
Mead, George Merwin, Jr.	Greenwich
Mead, Hobart Reynolds	Greenwich
Merriman, Irving Howard	Marion
Moore, Leslie Bartlett	Winsted
Parker, Edna Elizabeth	Mansfield
Pease, Herbert Chapin	Ellington
Plouffe, Orville McIntosh	New York, N. Y.
Prentice, Clifford Dennis	North Haven
Prentice, Samuel Rutherford	Fairfield
Randall, Arthur James	Yantic
Rawson, Nelson C.	Westville
Richards, Warren W.	East Haven
Rybic, John	Mansfield
Shelton, Lewis Nichols	Bridgeport
Sikes, Elbert Edwin	Ellington
Sikes, Grace Isabelle	Ellington
Stuart, James Bernard	Lakeville
Stumpf, George Albert	Burnside
Swenson, Oscar Edward	Elmwood
Teller, Ruth Elizabeth	West Haven
Warner, Clayton Edward	Waterbury
Wood, John Francis	Somersville
Young, Wilfred Prosser	Mansfield Center

SUMMARY OF ENROLLMENT

College

Senior Class	26
Junior Class	24
Sophomore Class	30
Freshman Class	48
Special Students	22
Total College	150
Men	139
Women	11

School

Second Year	26
First Year	54
Total School	80
Men	69
Women	11

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1918/19

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CATALOG NUMBER
1919--1920
THIRTY-NINTH YEAR

CONNECTICUT AGRICULTURAL COLLEGE
* 1881 *

REGISTER, - - 1918-1919
ANNOUNCEMENT, 1919-1920

Storrs, Connecticut
Published by the College

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1919/20

Volume 15 MAY, 1919 Number 1

The Connecticut Agricultural College Bulletin

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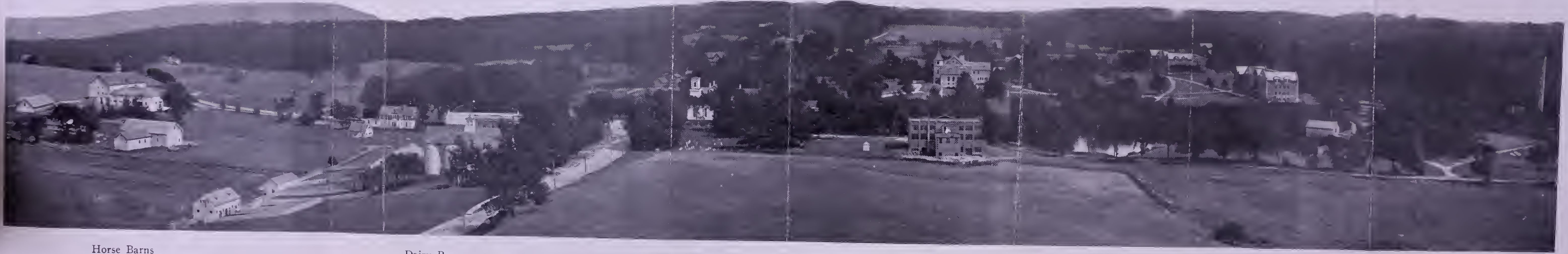
ANNOUNCEMENT, 1919-1920

Storrs, Connecticut
Published by the College

Heating Plant



Campus as Seen From Water Tower

Catalog

of the

Connecticut
Agricultural College

STORRS, CONNECTICUT

CURRENT TO JUNE, 1920

ANNOUNCEMENT, 1919-1920
REGISTER, - - 1918-1919

FEBRUARY, 1919

Entered at the Post Office at Eagleville, Conn., as second class matter
June 29, 1904, under Act of Congress of July 16, 1894.

PUBLICATION
APPROVED BY
THE BOARD OF CONTROL

THE JOURNAL PRESS,
MERIDEN, CONN.

THE CONNECTICUT AGRICULTURAL COLLEGE

BOARD OF TRUSTEES.

The Governor of Connecticut	Ex-Officio

MARCUS H. HOLCOMB, Southington

Appointed by the Senate	Term Epires
E. STEVENS HENRY, Rockville	1919
CHARLES E. LYMAN, Middlefield	1919
IVERSON C. FANTON, Westport	1919
CHARLES M. JARVIS, Berlin	1921
JOSEPH W. ALSOP, Avon	1921
E. KENT HUBBARD, Middletown	1921

Elected by the Alumni

OLCOTT F. KING, South Windsor	1919
HARRY G. MANCHESTER, Winsted	1921

Elected by the Board of Agriculture

EVERETT E. BROWN, Pomfret Center	1921

Officers of the Board

GOVERNOR MARCUS H. HOLCOMB	President
HARRY G. MANCHESTER	Vice-President
OLCOTT F. KING	Secretary
RAYMOND I. LONGLEY	Treasurer

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J. W. ALSOP, C. M. JARVIS, H. G. MANCHESTER, I. C. FANTON

Experiment Station Committee

C. M. JARVIS, E. S. HENRY, EVERETT E. BROWN

Extension Committee

O. F. KING, C. E. LYMAN, EVERETT E. BROWN

Administration Committee

H. G. MANCHESTER, O. F. KING, E. K. HUBBARD

CALENDAR FOR 1919-1920.

1919

JULY

S.	M.	T.	W.	T.	F.	S.
..	..	1	2	3	4	5
6	7	8	9	10	11	12
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27	28	29	30	31	..	..

AUGUST

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31						

SEPTEMBER

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OCTOBER

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DECEMBER

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1920

JANUARY

S.	M.	T.	W.	T.	F.	S.
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FEBRUARY

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MARCH

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MAY

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JUNE

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27	28	29	30	..	..	..

ACADEMIC CALENDAR.

1919-1920.

First Semester

1919			
Sept. 16,	Tuesday,	9:00 a. m.	Registration
Sept. 17,	Wednesday,	8:00 a. m.	Classes begin
Nov. 26,	Wednesday,	noon to	
Dec. 1,	Monday,	8:00 a. m.	Thanksgiving recess
Dec. 23,	Tuesday,	5:30 p. m.	
		to	Christmas recess
Dec. 31,	Wednesday,	8:00 a. m.	
1920			
Jan. 17,	Saturday,	9:30 a. m.	Registration second semester
Jan. 31,	Saturday,	noon	Semester examinations end

Second Semester.

Feb. 2,	Monday,	8:00 a. m.	Classes begin
Feb. 22,	Sunday		Washington's Birthday; holiday observed Mon., Feb. 23
April 1,	Thursday,	noon to	
April 6,	Tuesday,	noon	Easter recess
April 10,	Saturday	noon	Last day to submit forensics for Ratcliffe Hicks prize
May 1,	Saturday,	8:00 p. m.	Ratcliffe-Hicks prize oration contest
May 30,	Sunday,		Memorial Day; holiday observed Monday, May 31.
June 5,	Saturday,	noon	Senior examinations end
June 12,	Saturday,	noon	Semester examinations end
June 13,	Sunday,	11:00 a. m.	Baccalaureate service
June 14,	Monday,	10:00 a. m.	Class day exercises
June 15,	Tuesday,	10:30 a. m.	Commencement

Sept. 21,	Tuesday,	9:00 a. m.	Registration

MEMBERS OF THE COLLEGE STAFF WHO ENTERED THE MILITARY SERVICE OF THE UNITED STATES OR ENGLAND.

ABEL, MAX F.	Agronomy Department
ALGER, HARRY B.	Dairy Department
AMORY, CHARLES B.	Military Department
ANDREWS, CARL E.	Extension Service
ANTONIO, ALASSI	Farm Department
BAILEY, HAROLD H.	Farm Department
BAKER, HERBERT J.	Extension Service
BARRETT, ROLAND H.	Extension Service
BISHOP, HELEN C.	Home Economics Departm't
BROWN, BENJAMIN A.	Agronomy Department
BRUNDAGE, HAL A.	Extension Service
CAMPBELL, GLENN H.	Editorial Department
CLARK, WALTER T.	Extension Service
COREY, PAULINE G.	Extension Service
FISHER, RICHARD C.	Dairy Department
GREER, ALEXANDAR W.	Extension Service
KUELLING, JOHN A.	Dairy Department
McDONALD, BERNARD M.	Extension Service
MILLER, FRANK P.	Farm Department
MUNROE, HENRY D.	Poultry Department
NEWMARKER, EDW. L.	Agronomy Department
PRICE, HUGH B.	Economics Department
SIMMS, JOHN A.	Extension Service
SINGER, WILLIAM	Farm Department
TELFER, ALEX D.	Animal Husbandry Dept.
TORREY, GEORGE S.	Botany Department
WALLACE, ANNA MAY	English Department

FACULTY AND OFFICERS OF ADMINISTRATION, MEMBERS OF EXPERIMENT STATION STAFF, AND MEMBERS OF THE EXTENSION SERVICE.

c—College faculty s—Station staff e— Extension Service

CHARLES L. BEACH, B. Agr., B.S., President.

EDWARD H. JENKINS, Ph.D., Director of Stations
(New Haven and Storrs)

HERBERT J. BAKER, B.S., Director of Extension Service.*

c MAX F. ABELL, B.S., Instructor in Farm Management.
s WILLIARD H. ALLEN, B.S., Assistant Poultry Husbandman.
c HELEN B. BARKER, Instructor in Home Economics.
c SPENCER W. BARLOW, Assistant Physical Director.
c GEORGE A. BLAKE, Superintendent of Buildings.
e HELEN BOLAN, Assistant State Club Leader.
c LIEUT. WM. C. BRIGGS, Asst. Professor of Military Science.
s BENJAMIN A. BROWN, Supt. of Experimental Plots.*
e AUGUSTUS J. BRUNDAGE, State Club Leader.
e DOROTHY S. BUCKLEY, Ph.B., Home Demonstration Leader.
s LEROY M. CHAPMAN, B.S., Assistant Dairy Husbandman.
e GEORGE M. CODDING, B.S., Field Agent in Entomology.
c CAPTAIN CLAUDE E. CRANSTON, Professor of Military Science, Commandant.
c ARSENE CROTEAU, B.L., Instructor in Modern Languages.
e IRVING G. DAVIS, B.A., County Agent Leader, Acting Director.
c MARSHALL DAWSON, B.D., Chaplain.
e RICHARD E. DODGE, M.A., Assistant County Agent Leader.
se HENRY DORSEY, M.S., Agr., Field Agent in Agronomy,
c BURT K. DOW, V.S., Lecturer in Veterinary Science.
c MARY A. DRISCOLL, Resident Nurse.
ec THEODORE H. EATON, Ph.D., Professor of Agr. Education.
s HERMAN D. EDMUND, B.S., Chemist.
c WILLIAM M. ESTEN, M.S., Professor of Bacteriology.

c RICHARD C. FISHER, B.S., Instructor in Dairying.
c JOHN H. FITTS, B. Agr., Professor of Mechanical Engineering.
c GEORGE W. FRASER, Instructor in Floriculture.
c SERG. JOSEPH FREEDMAN, Instructor in Military Science.
c HARRY L. GARRIGUS, B.Agr., Professor of Animal Husbandry
e MAUD E. HAYES, M.A., Home Demonstration Agent at large.
c HEBER M. HAYS, Ph.D., Instructor in English and History.
sc. SHERMAN P. HOLLISTER, B.S.A., Ass't Professor of Pomology.
c JOHN L. HUGHES, M.A., Instructor in Chemistry.
e ROY E. JONES, Extension Poultryman.
sc WM. F. KIRKPATRICK, B.Agr., Prof. of Poultry Husbandry.
c MERLE S. KLINCK, B.Sc.A., Instructor in Farm Machinery.
sc GEO. H. LAMSON, JR., M.S., Professor of Zoology and Geology
c RAYMOND I. LONGLEY, Treasurer and Purchasing Agent.
ec ALLEN W. MANCHESTER, Professor of Farm Management.
c JERAULD A. MANTER, B.S., Instructor in Zoology.
c CHRISTIE J. MASON, Instructor in Bacteriology.
c EDITH MASON, B.S., Instructor in Home Economics.
c FRANK P. MILLER, B.S., Farm Foreman.
c HENRY R. MONTEITH, B.A., Professor of History and English
c ALBERT E. MOSS, M.F., Instructor in Forestry.
c HOWARD D. NEWTON, Ph.D., Professor of Chemistry.
c HUGH B. PRICE, M.A., Instructor in Agricultural Economics.
s LEO F. RETTGER, Ph.D., Bacteriologist.
e WILLIAM A. RHEA, M.S., Extension Dairyman.
c ELLA J. ROSE, B.S., Instructor in Home Economics.
c EDM. W. SINNOTT, Ph.D., Professor of Botany and Genetics.
ec ARTHUR G. SKINNER, B.S.A., Inst'r in Animal Husbandry.
sc WILLIAM L. SLATE, JR., B.S.Agr., Professor of Agronomy.
ec GUY C. SMITH, Ph.B., Professor of Agricultural Economics.
c MORTON E. SNOW, Chief Acountant.
ec M. ESTELLA SPRAGUE, Professor of Home Economics.
c WALTER STEMMONS, B.S., Agricultural Editor.
c ALVA T. STEVENS, M.S., Ass't Professor Vegetable Gardening.
c VIOLA Z. TAFT, Manager of the Boarding Department.
c GEORGE S. TORREY, A.M., Instructor in Botany.*
c ANNA M. WALLACE, Ph.B., Instructor in Public Speaking.*
c DAVID E. WARNER, B.S., Instructor in Poultry Husbandry.

ec LLOYD R. WATSON, M.A., Instructor in Apiculture.
c CHARLES A. WHEELER, M.A., Professor of Mathematics.
sc GEORGE C. WHITE, M.A., Professor of Dairy Husbandry.
c EDWINA M. WHITNEY, Ph.B., Instr'or in German, Librarian.

*On leave of absence.

COUNTY WORKERS IN EXTENSION SERVICE.

Fairfield County Farm Bureau. Headquarters: P. O. Building, Danbury.

LAWRENCE A. BEVAN, B.S., Agricultural Agent.
MARION E. DICKENSON, City Demonstration Agt., Stamford.
GLADYS B. GREEN, As't City Demonstration Agt., Bridgeport.
LEONARD M. JOHNSON, County Club Leader.
HELEN IRENE WEED, B.S., City Demonstration Agent, Bridgeport.

Hartford County Farm Bureau. Headquarters, 308 Church St. Hartford.

ROLLIN H. BARRETT, Assistant Agricultural Agent.
EARL A. BROWN, B.S., Agricultural Agent.
HAL A. BRUNDAGE, County Club Leader.
MRS. HELEN R. HILLS, City Demonstration Agt., Hartford.
JENNIE E. MAXFIELD, Ph.B., City Demonstration Agent, Hartford.
JEANNETTE E. METCALFE, City Demonstration Agent, New Britain.
BESSIE M. REYNOLDS, City Demonstration Agent, Hartford.
MARGARET L. ROBINSON, Home Demonstration Agent.
BENJAMIN C. SOUTHWICK, B.Sc., Associate Agricultural Agt.

Litchfield County Farm Bureau. Headquarters: Litchfield, Conn.

ARTHUR G. DAVIS, B.S., Agricultural Agent.

Middlesex County Farm Bureau. Headquarters: Middletown, Conn.

JOHN H. FAY, B.S., Agricultural Agent.
ALEXANDER W. GREER, County Club Leader.

New Haven County Farm Bureau. Headquarters: Library Building, New Haven, and City Hall, Waterbury.

MARY C. BLODGETT, B.S., City Demonstration Agent, Waterbury.

MARION E. BUTTERS, City Demonstration Agent, New Haven.

ALLEN B. COOK, B.S., Agricultural Agent, Waterbury section.

LESTER F. HARVEY, B.S., Agricultural Agent, New Haven section.

B. EUGENIE HUCKEL, Home Demonstration Agent.

PAUL P. IVES, County Club Leader.

MARIE A. NELSON, City Demonstration Agent, New Haven.

New London County Farm Bureau. Headquarters: 212 Thayer Building, Norwich.

BERTHA A. HALLOCK, County Club Leader.

MRS. ZOE F. MEADE, Home Demonstration Agent.

FRED C. WARNER, B.S., Agricultural Agent.

Tolland County Farm Bureau. Headquarters: Rockville, Conn.

MARGARET A. COSTELLO, B.S., Home Demonstration Agent.

ERNEST E. TUCKER, B.S., Agricultural Agent.

Windham County Farm Bureau. Headquarters: Putnam, Conn.

BENJAMIN W. ELLIS, B.S., Agricultural Agent.

CHARLOTE EMBLETON, Home Demonstration Agent.

FACULTY COMMITTEES.

Administration:

Professors Slate, Wheeler, Kirkpatrick.

Agriculture:

Professors Slate, Kirkpatrick, White, Lamson, Eaton, Sinnott.

Athletic Council:

Messrs. Hughes, Warner, Professors Hollister, Wheeler.

College Assembly:

Messrs. Price, Manter, Hughes, Miss Rose, Professor Sinnott.

Home Economics:

Professors Sprague, Eaton, Misses Rose, Mason.

Mechanical Engineering:

Professors Fitts, Wheeler, Newton, Eaton.

Publicity:

Professors Stemmons, Lamson, Kirkpatrick, Hollister, Sprague.

Schedule:

Professor Newton, Messrs. Manter, Price.

Science:

Professors Lamson, Sinnott, Newton, Eaton.

Social Affairs:

Professor Sinnott, Messrs. Fraser, Manter, Misses Rose, Mason.

Student Activities:

Mr. Torrey, Miss Mason, Professor Newton.

Student Employment:

Professors Stevens, Garrigus, Kirkpatrick, Mr. Klinck.

Student Advisors:

For first year students, by appointment at time of registration. For others, the heads of respective departments, according to students' group selection.

CONNECTICUT AGRICULTURAL COLLEGE

LOCATION.

The College is located in the town of Mansfield, eight miles north of Willimantic with which it is connected by a good gravel and macadam highway. The post office is Storrs. Freight is hauled by team and trucks from Eagleville, a station on the Central Vermont railroad three and one-half miles from the college. Passenger and express service is for the most part by automobile bus from Willimantic. The site of the college is on high well-drained land, commanding a wide view of the rolling hills of eastern Connecticut. The campus is large, well laid out, and unusually attractive; it is about 800 feet above sea level.

HISTORICAL SKETCH.

In January 1881 the Connecticut legislature established the Storrs Agricultural School, an institution which had its beginning in the public spirit of Augustus Storrs and Charles Storrs, his brother, natives of the town of Mansfield, where the school was located. The object of the school, as stated in the act establishing it, was the 'education of boys whose parents are citizens of this state in such branches of scientific knowledge as shall tend to increase their proficiency in the business of agriculture."

A period of growth and development followed, in which the name of the institution was changed to Storrs Agricultural College to which the board of trustees admitted young women, and provided for them education in such branches as tended to increase proficiency in the arts of housekeeping and homemaking.

In 1862 an act of the Congress of the United States granted to the several states an amount of public land equal to thirty thousand acres for each Senator and Representative to which the state was entitled by the apportionment of the 1860 census. The proceeds arising from the sale of these lands were to constitute a fund which was to remain always undiminished and interest therefrom was to be applied by each state that accepted and claimed benefits of the act to the endowment and maintenance of not less than one "college where the leading objects shall be, without exluding other scientific and classical studies and including military tactics, to teach such branches of learning as are related to agriculture and mechanic arts, in such manner as the legislatures of the states may respectively prescribe in order to promote the liberal and practical education of the industrial classes in the several pursuits and professions of life."

By its acceptance of federal funds provided for by the land-grant act of 1862, and by the Morrill act of 1890, the institution became a land-grant college, and as such found itself under moral and legal obligations to maintain the standard and scope of education appropriate to land-grant colleges. The institution also became responsible for half the agricultural experiment work conducted in the state, and for which annual provision had been made by the Hatch act of 1887.

The name Storrs Agricultural College was believed to be misleading because it seemed to designate a private institution. To make manifest, therefore, to all whom it might concern or interest that the institution is in reality maintained by the state, and that it is designed and conducted for the benefit of all its citizens, the name was changed by the state legislature to Connecticut Agricultural College, the name it now bears.

STORRS AGRICULTURAL EXPERIMENT STATION.

The Storrs Agricultural Experiment Station was established by an act of Congress approved March 2, 1887, and accepted by resolution of the General Assembly, May 18, 1887. By order of the trustees, the Station became a department of the agricultural college.

The purpose of the experiment station is to promote agricultural science by investigation and research, and to make experiments whose results may render practical and efficient aid to farmers of the state in the pursuit of their vocation.

As authorized by law, the station issues a biennial report and frequent bulletins. The latter are now printed in editions of ten to fifteen thousand. These reports and bulletins are free to all residents of the state upon application, and to others so far as the supply will allow.

EXTENSION SERVICE.

The trustees of the college elected an extension director on December 17, 1912, and thus formally established the extension service of the college. Previous to that time extension work had been carried on through the informal co-operation of the experminet station with the state pomological society, but this action on the part of the trustees made the Extension Service a regular department of the agricultural college.

The act of Congress May 8, 1914, known as the Smith-Lever act enlarged the purpose and scope of the extension work and brought into existence the Extension Service and the County Farm Bureaus as they exist at the present time. Under this act the Extension Service is a co-operative agency representing and supported by both the United States Department of Agriculture and the Connecticut Agricultural College.

The Extension Service conducts work along four main lines: (1) agricultural production and farm management, (2) home making and home economics, (3) boys' and girls' clubs in agriculture and home economics, (4) marketing and co-operation. The purpose of the Extension Service is to carry to farmers and housewives of the state directly and through the County Farm Bureaus and other organizations the best scientific knowledge and practices, adapted to their needs, in the production and marketing of farm products and in the management of their homes. It aims to assist individuals, groups, and communities to discover and solve their problems.

ADMINISTRATION AND ORGANIZATION.

The governing body of the Connecticut Agricultural College is a Board of Trustees, ten in number, six of whom are appointed by the Governor for terms of four years each. Two members are elected by the alumni of the college for like terms and one member is elected annually by th State Board of Agriculture. The Governor is an ex-officio member of the Board and its president. With the exception of president of the Board, the Trustees elect their own officers and also the officers of the college. Under the Board of Trustees, management of the institution is vested in the President, as executive head of the college, and in the college faculty.

The President appoints members of the staff to membership on the several faculty committees. Their duties are to investigate and recommend on matters of discipline, administration, courses of study, candidates for graduation, and whatever else pertains to the advancement of the institution and the welfare of its students. Committee recommendations and faculty action must conform to college rules and are not in affect until approved by the President who has jurisdiction subject to the higher authority of the Board of Trustees whose decisions and rulings in all matters are final.

AIMS OF THE COLLEGE.

The aim of the college is to prepare young men and women for meeting the problems of leadership in rural affairs and in the life pursuits related to agriculture and engineering. Since it is the individual as man or woman who is to be educated, training and instruction are not limited merely to productive activities and technology. Though, in the study of vocation, full recognition is given to the liberalizing value of understanding the fundamental work of the world, cultural values are not sought in that study only, but also in the less immediate relations of language, literature, history and pure science. The curriculum is designed to provide, so far as circumstances permit, opportunity for the farmer, farm manager, research worker, extension worker, teacher, or demonstrator, to enter intelligently into his occupation and with appreciation into active life as a member of society.

Under the provisions of the Federal Act for Vocational Education the College is designated as the institution for training vocational teachers in Agriculture and Home Economics for the state of Connecticut. The courses offered for the purpose are carefully chosen to meet the requirements of such teachers under the Connecticut plan.

A two-year course in Agriculture is offered to those of less than full high school training. The aim of immediate proficiency in the meeting of farm problems is outstanding. The education of the farmer, rather than education for the farm, is still the determining factor in the selection of studies and methods, but the scope of all subjects is more definitely limited to knowledge and skill at once applicable to production. Graduates of the two-year course are prepared to enter intelligently upon farm work.

COLLEGE BUILDINGS.

Administration.

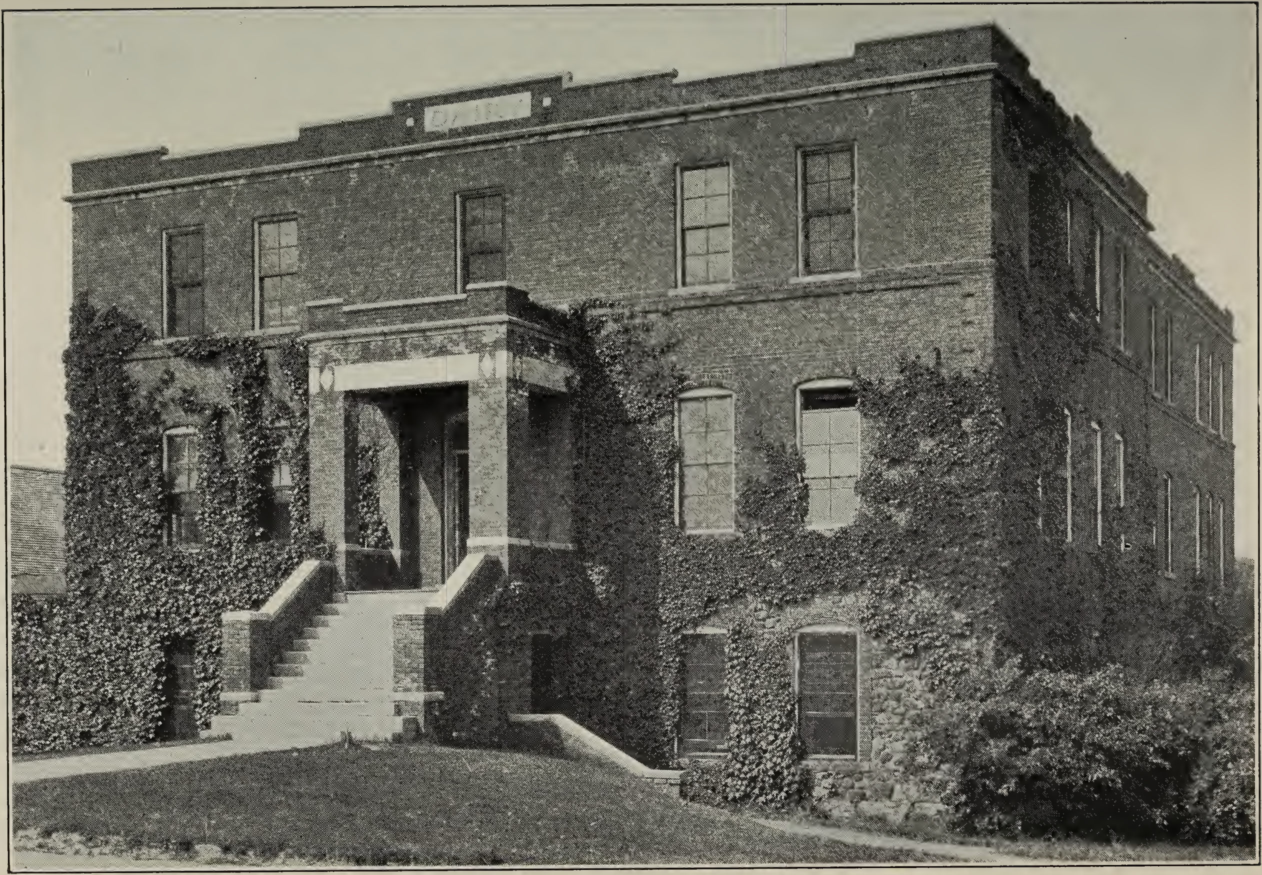
The main building, erected in 1890, is a two-story wooden structure. It is the administrative center of the college and houses the offices of the President, Secretary and Treasurer, the Library and Reading Room, Natural History Museum and post office. In the basement large rooms are equipped for wood work and machine shop practice; on the upper floor are recitation rooms, and over the library a music studio and guest rooms.

Beef Barns.

An excellent herd of Herefords and Shorthorns are quartered in a barn forty by sixty feet, equipped with box stalls and stanchions with modern concrete construction. Part of the barn's equipment consists of a root cellar, platform scales, and a hollow tile silo.

Central Heating.

The central heating plant was built during 1916-1917 and was in operation for the first time during the winter of 1918-1919. The dormitories, recitation halls, gymnasium, administrationn building, greenhouses, Grove Cottage, Experiment Station office, dairy building, dining hall, and Whitney building are all heated from one central source. Modern equipment makes this a very excellent small plant. It is equipped with three Bigelow horizontal return tubular boilers, two of which have Jones underfeed stokers, while the third is hand fired. In addition, there are platform scales, a feed water heater and Green fuel economizers. A radial brick chimney 125 feet high provides excellent draft.



DAIRY BUILDING

Dairy Barns.

A farm barn forty-one by seventy feet with a suitable dairy addition at an expense of $10,000, provides feed storage capacity, a place for conducting calf experiments, and accommodates a dairy herd of fifty head. The addition is of hollow tile and cement construction electrically lighted, has running water and the usual up-to-date dairy equipment.

Dairy Building.

A three-story building of stone and brick is equipped for the offices, laboratories and class rooms of the departments of Dairy Husbandry, Agronomy and Bacteriology. Boilers, steam and gasoline engines, a refrigeration plan and gas plant serve to the modernization of laboratory conveniences.

Dining Hall.

The dining hall is a brick building with sandstone trimmings, in the form of a Maltest cross. The main part, thirty-six by eighty feet, is two sories with basement, and the two wings one story each with basement. The building contains a kitchen, storerooms, steward's quarters and rooms for helpers. Formerly its feeding capacity did not exceed 200 students, but during the past year the dining room was remodeled and changed over to the cafeteria plan, which virtually doubles its capacity.

Dwellings.

There are on the college grounds, thirty-two cottages, and also apartments in Whitney Hall, and the Valentine House, all of which are occupied by families of instructors and employees.

Experiment Station.

The offices of the director of the Experiment Station, the station library, the mailing department, and the photographic room are housed in a two-story frame building.

Farm Machinery.

A two-story brick building with cement floors was erected in 1915 for instruction in the operation, dissembling, reassembling, and repairing of farm machinery. The building is equipped with a freight elevator, and is filled with farm machinery of many kinds.

Greenhouses.

A range of greenhouses based upon the home and office of the florist provides a laboratory, propagation house, vegetable forcing house, rose and carnation house, vinery, and tropic house for ecenomic plants of warm countries.

Grove Cottage.

The women's dormitory and seat of the Home Economics department is a home-like, attractive two-story fram building with recitation rooms, cooking laboratories and entertainment parlors.

Hawley Armory.

This is a brick and stone structure with slate roof and cement floors. One end is given over to a stage, dressing rooms and band room. The other has a reception room, offices for the physical director and the commandant, and faculty club room. The drill room and gymnasium has a floor 72 feet by 140 feet and a running track thirteen laps to the mile. In the basement are bowling alleys, shooting gallery, locker room and shower baths. Excavation has been made for a future swimming pool.

Horticultural Hall.

Horticultural Hall is a three-story brick building with stone trimmings. The offices, lecture rooms, and laboratories for horticulture and pomology are all housed in this building, also the botanical laboratory and physics laboratory. The basement is used for all sorts of horticultural tools, orchard and spraying materials, and also for storage for apples and vegetables.

Horse Barns.

The horse barn is a building forty by eighty feet, to which a recent addition has been made at an expense of $10,000. This is of hollow tile and cement construction except for the passageways which are wooden blocks. The building is devoted to the storage of hay and feed and vehicles, and housing horses. Its capacity is about thirty head.

Koons Hall.

This building though newer is practically a replica of Storrs Hall described below. Cement floors, however, have been used, and a few minor changes were made in the interior arrangements and fittings. The cement floors and three transverse solid brick walls make this building virtually fireproof. The appropriation for this building was $75,000.

Miscellaneous Farm Group.

In this group are included a metal corn crib, tool sheds, a small barn for stallions and mares with foal, and the so-called Rosebrook barn on property recently acquired by the college, and which building will be shortly fitted up for a herd of milking Shorthorns.

Piggery.

The piggery is among the very newest buildings on the Campus. It is of hollow tile and cement construction, is twenty-four by ninety-two feet, and built on the Iowa Community plan. This building provides headquarters for the college herd of Berkshires which consists of some twenty brood sows and their naural increase. A wide passage was purposely planned so as to enable classes to judge swine in the alley rather than in the stalls.

Poultry Building.

The poultry department is housed in a four-story brick building with sandstone trimmings. In addition to the usual offices and class rooms there is a poultry reading room, egg candling and killing rooms, a permanent exhibition room and two incubator rooms, one for small individual machines, the other for a mammoth incubator.

Sheep Barns.

The college flock is accommodated in a modern sheep barn thirty-four by eighty feet. It is of economical construction and equipped with mangers, feeding racks, concrete dipping tanks, power driven root cutters, and power driven shearing machines. This barn houses 100 head of Shropshires of breeding age, together with their annual crop of lambs.

Storrs Hall.

This is a semi-fireproof building with granite trimmings, erected in 1905 at a cost of $60,000. There are six single rooms and thirty suites of three rooms each, two bedrooms being connected with each of the thirty studies. It is steam-heated, equipped with shower and tub baths and dressing rooms with lockers, and is modern in all appointments. The dormitory is designed to accommodate sixty-six students.

Valentine House.

This is a large two-story wooden structure which until recently consisted of several apartments in which were housed families of instructors and employee. During the past year it has been necessary to convert this building into a girls' dormitory, which is known in the Home Economics department as the Practice House.

Whitney Hall.

The offices, mailing room, and other activities of the Extension Services are quartered in the original large two-story frame building that housed the Storrs Agricultural School at the time of its founding. This building bears the name of Whitney Hall.

EQUIPMENT AND FACILITIES.

Under this heading are included brief descriptions of the several laboratories, land, live stock, tools, engines, shops, machinery, museums, gardens, orchards, etc., that are available for students in connection with their college courses.

Agricultural Engineering.

The Farm Machinery Building contains a full and excellent equipment of standard tools, machines and engines, home electric light plants, tractors, and a large assortment of other farm machinery.

Agronomy.

Large laboratories for soils and field crops study, and the necessary storerooms are provided in the Dairy building. Experimental plots and the college farm serve as excellent material for field work.

Animal Husbandry.

This department has very excellent specimens of horses, beef cattle, sheep and swine, some of which are valued at from two to three thousand dollars each. Among the horses are a pure bred Percheron stallion and several pure bred mares of the same breed. Beef cattle consists of pure bred Shorthorns and Herefords. In addition, there are two dual purpose breeds, namely Devons and milking Shorthorns. The flock of sheep is made up chiefly of pure bred Shropshires. The swine are registered Berkshires.

Bacteriology.

The teaching and research laboratories for bacteriology are located on the second and third floors of the dairy building. Both laboratories are equipped with hot and cold water, gas, steam, refrigeration, sterilizers, incubators, balances, microscopes, and other apparatus for instruction and investigation.

Botanical Garden.

This comprises at present one acre of land and is designed to serve as a field museum of agriculture. The largest section is given over to a systematic arrangement according to families of the most important economic plants. Thus among the legumes there are shown growing in separate plots the various clovers, vetches, alfalfas, beans and peas, as well as some of the more common wild leguminous plants. A section is devoted to plots illustrating laws of variation and inheritance, and a considerable portion is set aside as an experimental garden for the study of various problems in plant genetics. The botanic garden is used for demonstration purposes and to supply material for class work.

Botany.

The botanical department is provided with 30 compound microscopes and has dissecting microscopes, tables, and general laboratory equipment for sections of 30 students. An autoclave, an incubating and a dry sterilizing oven, and a Jung Thoma microtome are used in the advanced courses. The botanical museum is furnished with a set of Hough's wood sections, a series of tree trunks cut to show the three sections, a set of Riker mounts showing tree specimens in summer and winter conditions, cases with alcoholic specimens, an herbarium with a good working collection of the local flora of Connecticut, and a small departmental library.

Chemistry.

The main laboratory, which is used by classes in elementary, qualitative and organic chemistry, contains desks, lockers and ample individual equipment for one hundred sixty-four students. Besides the individual equipment the laboratory is provided with a very full line of chemicals and with balances, draft hoods, A. C. and D. C. electricity, gas, and many other modern laboratory conveniences.

The quantitative laboratory, located just off the main laboratory, contains besides the usual desks and individual equipment every convenience for carrying on the work in quantitative and agricultural chemistry. On the same floor with the main and quantitative laboratory and within easy access of the student is the chemical library which contains many valuable chemical books and current journals and periodicals.

College Land.

The college owns 1,180 acres. Portions of the land are allotted to the several departments of the college and the experiment station. The uses of the land are such as to illustrate the processes and principals both of general and specialized agriculture and for experimental purposes. The campus furnishes facilities for instruction in landscape gardening, floriculture and road-making, and the woodland reserve is used for instruction in forestry.

Dairy Husbandry.

The dairy laboratory and college creamery are in the basement of the dairy building. Power and hand equipment is provided for separation, testing, butter making and chese making. There are also ice cream machines, electric milking machines, a complete refrigeration plant, steam engine, a forty horse-power boiler and other aparatus that serve for first hand study. The dairy herd is made up of males and females of pure bred and advanced registry stock of the four principal breeds, namely, Holstein, Jersey, Guernsey and Ayrshires. Several of them hold state records for production. The dairy and animal husbandry departments jointly own a good library of herd books, flock books and stud books for use in pedigree work. Charts, lantern-slides, skeletons, models and figures are available for study of anatomy and for illustration in lectures on veterinary medicine.

Entomology.

The collection of insects includes those of greatest economic importance, together with large numbers of the common insects found in Connecticut. The college provides the material for the dissection of the types of insects used in the study of entomology and a case in which a collection made by the students during the spring of the sophomore year and the fall of the junior year may be kept throughout that period. The library is well supplied with books on entomology and with the bulletins from the different experiment stations and the Department of Agriculture at Washington. These are used for reference work in the courses in entomology.

Forestry.

The wood lots belonging to the college comprising about 200 acres, together with the plantation of locusts, red and white pine, give an excellent opportunity for field work in forestery. The department is equipped with the necessary instruments for forest survey and mensuration.

Forging.

Ten forges with anvils and necessary tools are in a leased shop near the campus.

Gilbert Farm.

From the estate of the late Edwin Gilbert of Georgetown, Connecticut, the college received the generous gift of a large farm, with all the live stock and equipment on it, and an endowment fund of $60,000. The execution of the conditions of the bequest will by degrees, it is expected, introduce into the southwestern portion of the state the methods of tillage, animal husbandry, and fruit growing approved and practiced by the college.

Home Economics.

The laboratories of the home economics department in Grove Cottage are equipped for efficient work in cookery and sewing. The cookery laboratory is fitted with modern desks, porcelain sinks, blue flame oil stoves, and electric stoves. The sewing laboratory, well lighted and airy, is supplied with tables for drafting and cutting, sewing machines, dress forms, and other necessary aparatus.

Horticulture.

For the study of fruit growing the horticultural department controls three orchards and a vineyard. The trial orchard has 400 trees in full bearing, including the standard as well as new and rare varieties. A commercial orchard of 15 acres of apple and peach trees is in bearing. For the testing of stocks and of commercial value a dwarf orchard of 500 trees on Paradise and Doucin stocks is available. The vineyard of 1½ acres contains all standard varieties and many less common; the vinery on the greenhouse range is devoted to foreign grapes.

In the vegetable gardens and small fruit plantations all varieties common to the latitude and many rare and peculiar sorts are available for study. The ornamental planting of the campus provides extensive opportunities for study of trees, shrubs, vines, herbaceous perennials, annuals, and bedding plants, in season. Laboratory facilities adequate to the needs of classes are housed in the Horticulture Building and Greenhouse.

Library.

In addition to the several departmental libraries for the especial use of instructors and advanced students, there is a general library open daily, in the south end of the main building. Here may be found the principal daily papers of the state, a large number of agricultural periodicals, all the best magazines, government bulletins, technical and trade journals, etc. The library numbers more than 16,000 volumes.

Machine Shop.

Rooms are located in the basement of the main building, equipped with a twelve horse-power gasoline engine, one iron shaper, two drill presses, three metal-turning lathes, one speed lathe, seven wood-turning lathes, one wood planer, one emery grinder, one hand trimmer, one band saw, one combination saw bench, and ten benches equipped with hand tools for pattern making.

Mechanical Drawing.

A room in Whitney Hall is equipped with desks, drafting boards, and designs for instruction in mechanical drawing.

Museum.

The museum contains type specimens of all the important classes of animals from the protozoa to the vertebrata, the number varying according to the importance of the different classes of animals. The collection of gastropods is relatively large in number, and the most valuable portion of the museum is a collection of well-mounted birds. In addition to the collection of animals the museum contains numerous rocks, minerals, and fossil-bearing rocks, and Indian implements.

Poultry Plant.

In addition to the usual apparatus and equipment there is a mammoth incubator of 2,400 egg capacity, ten 8 by 12 colony houses equipped with coal burning stove brooders, and an 18 by 100 brooder house supplied with seventeen small individual brooders. There is a long laying house with a capacity for 500 hens, two 20 by 30 colony houses, fifteen 16 by 16 colony houses and fifty-two 12 by 12 houses used in connection with the egg laying contest. There is also included a two-story 30 by 40 supply house for storing feed, roots, coops, etc. The plant is sufficient to care for a poultry population of approximately 3,000 hens.

Physics.

The physics department occupies well-lighted rooms on the third floor of the horticultural building. The laboratory is fitted with large working tables and a full equipment of new physical apparatus necessary for a complete laboratory study of the elements of mechanics, heat, light, sound and electricity. The physics lecture room directly off the laboratory contains a large lecture table and many costly pieces of apparatus used for demonstration purposes.

Sewage System.

The sewage from the dormitories and college buildings is purified on sand filter beds, eight in number, each twenty feet by sixty feet and four feet deep. The beds are used in rotation so that each bed works one day and rests seven. The effluent is non-putrescible.

Surveying.

The equipment consists of transits, levels, compasses, a plane-table, and a full assortment of smaller instruments and accessories for instruction in surveying.

Water System.

Water from an artesian well 800 feet deep is pumped to a standpipe holding 300,000 gallons and is supplied to all buildings. Some of the buildings are protected in this way against fire. About 60,000 gallons per day are used.

Wood-Working.

Rooms in the basement of the main building are equipped with benches and necessary hand tools for the accommodation of twenty-five students.

Zoology.

Students have abundant opportunity to see and study the different types of animals, both the invertebrate and the vertebrate forms. The museum contains types of all the important classes of animals, and the laboratory is well provided with compound and dissecting microscopes, together with aquaria and breeding cages for the dissection and study of such animals as are generally used in courses of zoology.

Summary.

Inventories of the college lands, buildings and live stock show that the total valuation of the state's property at Storrs amounts to approximately $1,500,000.

GENERAL INFORMATION

Under this heading is included information of especial interest to prospective students. The matters of admission, attendance, registration, requirements for degrees, cost of tuition, courses of study, rules, books, supplies, etc., are briefly discussed. For the sake of convenience to the reader, these various items are arranged alphabetically, which means that they are not necessarily in the order of their importance.

Admission Requirements.

Applicants for admission to college courses must be at least sixteen years of age, and must pledge themselves to comply in good faith with the rules and administrative regulations of the college. Admission may be gained in any one of the following ways: (1) by presentation of a certificate of completion or a diploma of graduation from a secondary or high school in Connecticut having a program of not less than four years, approved by the State Board of Education or from a school of equivalent grade located elsewhere. An official statement from the school must show (a) studies pursued, (b) number of weeks (c) periods per week, and (d) grades received. (2) By presentation of evidence of having passed the examinations of the College Entrance Board, or any other similar board, in fourteen and one-half units. (3) By transfer from other colleges or universities of recognized grade upon presentation of a certificate of honorable dismissal and good standing and a complete transcript of record.

Advanced Standing.

A student from another college or university of similar grade may be admitted to advanced standing by presentation of an official transcript of scholastic record from the institution in question. The Secretary will determine the amount of credit to be allowed. Transcripts should be complete.

Athletic Association.

By vote of the Trustees, a fee of $10.00 per year for the support of the Athletic Association is assessed and collected by the Treasurer from every student, unless the student shall file with the Treasurer a signed statement that he is unable or unwilling to make such payment. One-half this amount ($5.00) is due and collectable at the beginning of each semester.

Attendance.

The following are the regulations concerning attendance at college exercises: (1) students are expected to attend all classes and weekly assembly; (2) excuse will be granted for absences due only to (a) serious illness, in which case it is necessary to the granting of the excuse that the student present a physician's certificate, or (b) participation in a college activity which is under direction of a member of the faculty; (3) to cover absences due to slight illness or other causes, an allowance of unexcused absences is granted in each semester equal in number to one-half the total semester hours for which the student is registered, but the number of absences in any one course shall not exceed the number of semester hours in that course. A student, who in the previous semester has a recorded average standing of Grade B or better is entitled to twice the allowance above; (4) any unexcused absences that, in the judgment of the Secretary, tend to prolong a vacation period shall count double. Vacation means any holiday or recess scheduled on the academic calendar or posted on the bulletin board; (5) a student who exceeds his allowance of unexcused absences shall be summoned before the Administration Committee which has full power to deal with his case as it sees fit.

Board.

The colleege operates a dining hall which furnishes board based upon cost of food and operation. Meal tickets, good for two weeks, are purchased at the Treasurer's office. The cost of board is approximately six dollars per week. No reduction in board charge is allowed for less than one week's continuous absence. Students are not allowed to board themselves in the dormitories.

College Courses.

The Connecticut Agricultural College is a part of the public school system of the state and is open to both men and women. In accord with the origin and function of the college, the courses offered are essentially practical, being designed to train for leadership and a broad successful life.

I. **Agriculture.**
  a. Four-year Courses.
    1. General Agriculture.
    2. Dairy Husbandry.
    3. Animal Husbandry.
    4. Poultry Husbandry.
    5. Horticulture.
    6. Teacher Training.
  b. Two-year Course.
  c. Summer Course.
  d. Short Winter Courses.

II. **Science**—Four-year Courses.
    1. General Science.
    2. Biology.
    3. Chemistry.

III. **Home Economics**—Four-year Course.
    1. Teacher Training.

IV. **Engineering**—Four-year Courses.
    1. Mechanical Engineering.
    2. Manual Training.

Damage and Breakage.

Damage to college property is charged to the students responsible and collected from the residue of the military deposit.

Degree with Distinction.

A student who has completed the work of his major group with no grades below B and whose other work falls in no study below C may be recommended by the department or departments of his major group for a degree with distinction. The fact that he has completed with distinction advanced work in a special field will then be stated upon his diploma, upon the commencement program and in the annual catalog.

Entrance on Condition.

Applicants who are eighteen years of age or over, and present credentials for the satisfactory completion of not less than twelve units or three years of secondary school work, may be admitted with "entrance conditions." Such conditions must be removed before the end of the sophomore year. This may be done by passing the examinations of the College Entrance Board or other similar examinations, or by offering college credits. Six semester hours shall be considered equivalent to one entrance point. No college credits thus offered shall count toward a degree. This classification is intended only for applicants of maturity and more than average ability, who have been obliged to leave High School before graduation.

Farm Experience.

No student in Agriculture shall receive the degree of Bachelor of Science from the college who has not an approved record of at least three months of actual farm practice achieved at some other time than during the academic years of his enrollment as a college student.

Grades of Scholarship.

The standing of every student in each of his courses is expressed, according to his proficiency, by one of six grades, designated respectively by the letters *A, B, C, D, E,* or *F.* Grades *A* and *B* are honor marks; grades *C* and *D* are passing marks. Grade *E* denotes a condition. Such a conditon may be removed by re-examination or other means designated by the instructor. Grade *F* denotes a complete failure. If the course is required, it must be repeated, unless a substitution is allowed by faculty vote.

An "incomplete" grade denotes that a student has not finished the required work in a course, but has otherwise maintained a satisfactory standing. An example of this would be a case of unavoidable absence from a final examination. Such a deficiency must be made up during the first four weeks of the next semester, in which case a student will be given the grade his work deserves in the judgment of the instructor. Otherwise the "incomplete" becomes the grade *F*. An instructor may, with the aproval of the Secretary, exclude from a course, a student who is neglecting his work. A student, who at the end of any semester, receives *E* or *F* in fifty per cent or more of the credit hours for which he is registered, will be automatically dropped and may only be reinstated by faculty vote.

Grange Loans.

Any student who is a Patron of Husbandry may borrow sums not to exceed $100 per year from the State Grange of Connecticut. About $1,000 is available. For information, address Prof. C. A. Wheeler, Storrs, Conn.

Honor Students.

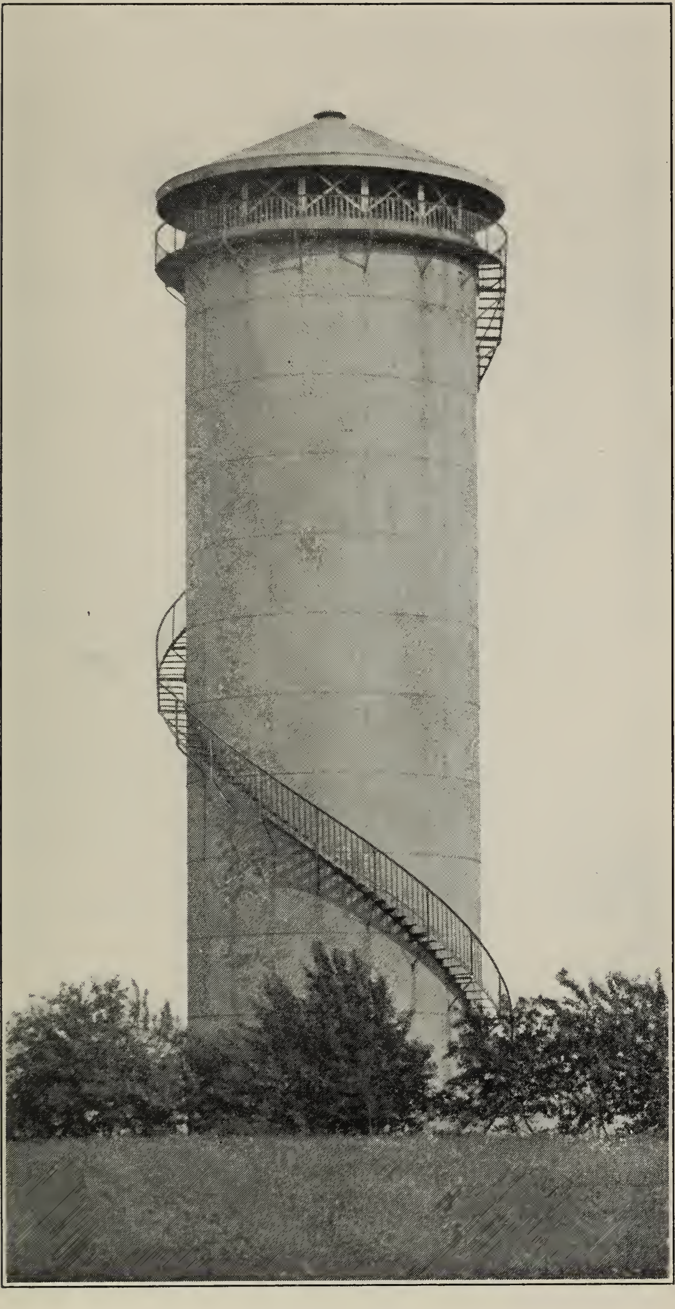
A student whose standing for the year falls, in no study, below the grade of *C* and whose average standing for the year is grade *B* or better, is rated an Honor Student and his name is published in the annual catalog.

Laundry.

An arrangement is made with a commercial laundry in Willimantic which collects student laundry twice a week. A special rate is made to students.

Location.

The college is located at Storrs, in the town of Mansfield, eight miles north of Willimantic. An auto bus meets the trains at Willimantic, to which point all baggage and express should be sent. Freight should be shipped to Eagleville, on the Central Vermont railroad. Telegraph and telephone connections are through Willimantic. Mail should be addressed to Storrs, Connecticut.



WATER TOWER

Military Appointments and Awards.

The officers of the college military battalion are appointed and promoted according to their proficiency in military science and drill, their scholastic standing, their soldierly bearing, and their good conduct. The highest officers, in recognition of their efficient work, receive at the end of a year of successful service the following prizes: Major, $25; three captains, $25 each; five first lieutenants, $20 each; chief musician, $20; three second lieutenants, $15 each; three first sergeants, $10 each. No officer reduced to the ranks for breach of discipline is awarded either the whole or any portion of one of these prizes.

Military Training.

All male students are required to take Military Science and Drill as prescribed by the War Department under the Morrill Act. The Commandant has charge of discipline and order in the men's dormitories. Every male student not exempt from military duty must deposit at the beginning of the college year, the sum of $25.00 as insurance for the proper care of military equipment furnished him by the War Department of the United States. This deposit is returnable at the end of the year, or upon the withdrawal of the student from college, if the commanding officer or his representative has certified to the receipt of the equipment in good condition.

New Students.

All requests for information should be addressed to the Secretary, Connecticut Agricultural College, Storrs, Connecticut. Upon arrival, new students should report at once to the Secretary's Office in the Main Building.

Normal School Graduates.

Graduates of State Normal Training Schools of Connecticut or others of similar grade may enter the college as candidates for the degree of Bachelor of Science with two years' advanced standing. Such students may major in Home Economics or Science with minors in Agriculture, Education, Economics, English, History or Languages.

Payment of Bills.

Fees and deposits are due on the first day of each semester (registration day). Meal tickets must be paid for in advance No charge accounts are carried for books, supplies and laundry.

Estimated Expenses for the Year.

Board, 36 weeks	$215.00
Semester fees	100.00
Laundry and incidentals	20.00
Books and supplies	20.00
Athletic Association	10.00
	$365.00

A student entering in the fall should plan for the following payments at the time of registration. Out of state and foreign students must also include one-half the tuition charge as described under the head "Tuition fees."

Semester fee	$50.00
Military deposit (returnable)	25.00
Board for two weeks	12.00
Books and supplies	10.00
Athletic Association	5.00
	$102.00

Probation.

When a student receives *E* or *F* in six or more credit hours, he is placed on probation for the ensuing semester or until he has removed his conditions and maintained for a month, a satisfactory standing in all courses.

Prizes for Declamation.

There is a declamatory contest open to all regular juniors and sophomores, with two prizes of $15.00 and $10.00 respectively, known as the Ratcliffe Hicks' prizes for declamation. Three speakers from each class will be appointed on recommendation of the English Department and will participate in a contest held on Friday evening before the final examinations of the year. The contestants may be coached by the instructor in public speaking. A student winning first prize will not be eligible to compete again.

Prizes for Oration.

Five seniors in regular standing will be appointed upon recommendation of the English Department to compete for two prizes of $20.00 and $15.00 respectively, known as the Ratcliffe Hicks prizes for oration. Their orations must occupy not less than ten minutes and not more than fifteen in delivery, must be the student's unassisted work, and must be approved by the instructor who made the appointment. Orations must be typewritten and handed to the secretary of the faculty by noon on the first Saturday in April. The contest will be held on the fourth Saturday, and the prizes will be awarded by a committee of judges, who will pass upon both composition and delivery, equal weight being given to each.

Registration.

All students are required to register at the beginning of each semester, on the day assigned in the academic calendar, unless, as in the case of students already matriculated, advance registration and approval of courses has been completed before the end of the previous semester. Late registration, in the case of former students, entails an extra fee of $2.00, which may be remitted upon presentation of satisfactory evidence of unavoidable delay. Students will not be admitted to classes until registration and payment of fees are completed.

Removal of Conditions.

A student who receives a condition in any study is given two opportunities to remove his condition by special examinations in the semester following his condition. Special examinations for this purpose will be held on the second, fourth, and next to the last Saturdays of each semester. A permit card from the Secretary and a fee of one dollar are required for every special examination for removal of a condition. A senior who receives grade *E* in a subject in his final semester will be given two opportunities to remove such conditions before the end of the year. A condition not removed during the semester of residence following that in which it was incurred, automatically becomes grade *F*. No student, who has any unremoved conditions at the middle of the last semester of his senior year, will be considered as a candidate for a degree.

Reports of Standing.

At the end of each semester, a complete record of the student's work is sent to his parent or guardian. The student may, upon his own request, also receive a copy of this report. Failure to receive this report does not relieve the student from compliance with the rules governing removal of conditions. For first year students, monthly reports are sent to the Secretary's office by all instructors. For all other students, these reports are made at the middle of the semester. These grades are not sent to the student, but will be sent to the parent or guardian if unsatisfactory. Students may inspect their grades as soon as they are received and recorded in the Secretary's office. Responsibility for knowledge of his standing rests with the student.

Requirements for Degree.

The degree of Bachelor of Science is conferred on those who satisfactorily complete the four-year course in Agriculture, Mechanical Engineering, or Home Economics. The degree is granted on the completion of 140 semester or credit hours which include the prescribed studies in the course chosen together with the necessary practice as described in the case of agricultural students under the section "Farm Experience."

Reserve Officers' Training Corps.

A young man now entering Connecticut Agricultural College, if a citizen of the United States and physically fit, may become a member of the Reserve Officers' Training Corps. Without cost he is furnished with rifle, uniform and necessary equipment. For two years he devotes three hours a week to military training under the prescribed course. At the end of the two years, if he so elects, and if he is recommended by the President of the College and the Commandant, he may sign an agreement to devote five hours a week to an advanced course in military training for the remaining two years of the college course and to undertake such camp training as may be prescribed by the Secretary of War. To those who elect the advanced course, monthly payment will be made of about twelve dollars. Under the present plan camp training will be met by the United States Government.

Under United States Army officers, students are trained by the systematic and standard prescribed methods of the War Department, for the intelligent performance of the duties of commissioned officers in the military forces of the United States. The system of instruction is so arranged as to interfere least with the specified education of the student in other fields. Education for performance of the duties of citizenship takes its place beside education for the enjoyment of the rights of the citizen. A graduate of the college who has completed the advanced course is eligible for apointment by the President of the United States as second Lieutenant in the regular army for a period of six months with pay at $100.00 per month and to a commission in the Officers' Reserve Corps.

Room Assignments.

In conference with the Student Council, the following plan for assignments of rooms to old students was adopted March, 1918: (1) Applications are to be in the Secretary's hands on April 15th. Applicants should indicate a first, second and third choice. (2) In deciding to which of several groups a room shall be assigned, a senior shall count four points, a junior three, sophomores two, and freshmen one. The room shall then be assigned to the group with the greatest number of points. A tie will be decided in favor of upper classmen, or by lot if no such advantage exists. (3) After April 15th, assignments will be made in the order of receipt of applications, without regard to classes. (4) Room assignments may not be changed except by permission of the Secretary. A student who desires to share in the occupancy of a room already held by others will be required to satisfy the Secretary that he is welcome to those already in possession.

Room Furnishings.

The furniture in the dormitories consists of a single or three-quarter bed, mattress, table, bureau, and chairs for each student. Occupants provide their own pillows and bed clothing, and, if they choose to do so, may bring such furnishings as pictures, rugs and curtains. The dormitories are lighted by electricity. Students are held responsible for their apartments, and any damage to property is chargeable to the occupants of the room.

Room Key Deposit.

Room keys are issued on the payment of a deposit of one dollar. Upon return of the key the deposit is remitted.

Scholarships.

Under legislative enactment, the trustees may grant sixteen county scholarships each year to worthy residents of Connecticut. Not more than two applicants from one county may receive such scholarships. The value is $100 each, amounting to a remission of the incidental fee. These scholarships are for new students in the four-year courses only and are good for one year. For information, address the Secretary, Storrs, Conn.

Self-Help.

The college does not guarantee employment to any student. Students desiring employment should apply to the Committee on Student Labor, Prof. A. T. Stevens, Chairman, which is usually able to find work for those in good standing, who have need to earn, in part, their way through college. Students are expected to give their prime attention to study. No student will be permitted to give an undue proportion of his time to paid labor. Students who must earn a considerable part of their expenses should expect to forego the enjoyment of leisure that others may have.

Semester Fees.

An incidental fee of $100.00, one-half payable at the beginning of each semester, is charged to all students resident in the college dormitories. This covers all charges for room, light, heat and laboratory fees. For students not resident in the college dormitories, this fee is $50.00 per year.

Special Students.

For those who may not wish to spend four years in college, there is a classification known as "special students." With the approval of the President, applicants may be admitted to the college but not to candidacy for the degree of Bachelor of Science: (1) who have met the regular requirements for admission; (2) who are graduates of the two-year course in Agriculture; (3) who are twenty-one years of age or older and in the opinion of the President are capable of undertaking college work with profit. Unless there is granted express permission, a special student shall enroll for not less than fifteen units of credit per semester and shall complete at least fifteen such units in a satisfactory manner in order to continue as a member of the college during any subsequent semester. Special students should consult with heads of departments and other instructors, but must submit their election to the Secretary for approval. No special student who is carrying less than the number of units required for regular students shall be eligible to play on any athletic team representing the college.

Student Expenses.

It is the policy of the college to make education available to all at the lowest possible cost.

Tuition.

There is no tuition charge to students whose parents or guardians are legal residents of Conectnicut. For those who are legal residents of other states, the tuition is an amount equal to that charged for out-of-state students by the State College or University of the state in question, one-half payable at the beginning of each semester. For students resident in foreign countries the tuition is $60 per year, one-half payable at the beginning of each semester.

Courses of Study

AGRICULTURE.

FRESHMAN YEAR.

First Semester.	Credit Units	Second Semester.	Credit Units
Eng. 1—Composition	3	*Eng.* 1—Composition	3
Zoo. 1*a*—Elementary Zoology	4	*Bot.* 1*b*—Intro. to Botany	4
Agron. 1*a*—Field Crop Prod'tion	3	*A. H.* 1*b*—Types & Breeds of Live Stock	3
Ag. Eng. 1*a*—Wood Working	1½	*Ag. Eng.* 1*b*—Mech. Drawing	1½
P. E. 1—Physical Education	1	*P. E.* 1—Physical Education	1
Mil. 1—Mil. Sci. & Drill	1½	*Mil.* 1—Mil. Sci. & Drill	1½
Elective	3	Elective	3
	17		17

SOPHOMORE YEAR.

First Semester.	Credit Units	Second Semester.	Credit Units
Eng. 2—Adv. Composition	2	*Eng.* 1—Adv. Composition	2
Chem. 2—Gen. Inorganic Chem.	4	*Chem.* 2—Gen. Inorganic Chem.	4
Agron. 2a—Soil Management	4	*F. M.* 2*b*—Farm Management	3
Ag. Eng. 2*a*—Farm Machinery	3	*Mil.* 2—Mil. Sci. & Drill	1½
Mil. 2—Mil. Sci. & Drill	1½	Elective	7½
Elective	3½		
	18		18

JUNIOR YEAR.

First Semester.	Credit Units	Second Semester.	Credit Units
Hist. 3—Mod. European	3	*Hist.* 3—Mod. European	3
Ec. 3*a*—Elemen. Economics	3	*Ec.* 3*b*—Elemen. Economics	3
Mil. 3—Mil. Sci. & Drill	1½	*Mil.* 3—Mil. Sci. & Drill	1½
Elective	10	Elective	10
	17½		17½

SENIOR YEAR.

First Semester.	Units Credit	Second Semester.	Credit Units
Mil. 4—Mil. Sci. & Drill	1½	*Mil.* 4—Mil. Sci. & Drill	1½
Elective	16	Elective	16
	17½		17½

SCIENCE.

FRESHMAN YEAR.

First Semester.	Credit Credit	Second Semester.	Credit Units
Eng. 1—Composition.........	3	*Eng.* 1—Composition.........	3
Zoo. 1*a*—Elementary Zoology..	4	*Bot.* 1*a*—Intro. to Botany.....	4
Phys. 2*a*—Mechanics & Heat..	4	*Phys.* 2*b*—Elec., Sound & Light	4
P. E. 1—Physical Education..	1	*P. E.* 1—Physical Education..	1
Mil. 1—Mil. Sci. & Drill......	1½	*Mil.* 1—Mil. Sci. & Drill......	1½
Elective*	4	*Chem.* 1*b*—Elem. Chemistry*.	4
	17½		17½

*Students presenting chemistry for entrance will take Chem. 2.

SOPHOMORE YEAR.

First Semester.	Units Credit	Second Semester.	Credit Credit
Eng. 2—Adv. Composition....	2	*Eng.* 2—Adv. Composition....	2
Chem. 2—Gen. Inorganic Chem.	4	*Chem.* 2—Gen. Inorganic Chem.	4
Bact. 2*a*—Gen. Bacteriology...	4	Geol. 2b—Elemen. Geology....	3
Ger. 1—Elemen. German*.....	3	*Ger.* 1—Elemen. German*.....	3
Mil. 2—Mil. Sci. & Drill.....	1½	*Mil.* 2—Mil. Sci. & Drill.....	1½
Elective	3	Elective	3
	17½		17½

*Advanced German or other courses may be substituted in case sufficient German is presented for admission.

JUNIOR YEAR.

First Semester.	Credit Units	Second Semester.	Credit Units
Hist. 3—Mod. European Hist.	3	Hist. 3—Mod. European Hist...	3
Ec. 3*a*—Elemen. Economics...	3	*Ec.* 3*a*—Elemen. Economics...	3
Mil. 3—Mil. Sci. & Drill ...	1½	*Mil.* 3—Mil. Sci. &Drill.......	1½
Elective	10	Elective	10
	17½		17½

SENIOR YEAR.

First Semester.	Credit Units	Second Semester.	Credit Units
Mil. 4—Mil. Sci. & Drill.....	1½	*Mil.* 4—Mil. Sci. & Drill....	1½
Elective	16	Elective	16
	17½		17½

MECHANICAL ENGINEERING.

FRESHMAN YEAR.

FIRST SEMESTER.	Credit Units	SECOND SEMESTER.	Credit Units
Eng. 1—Composition	3	*Eng.* 1—Composition	3
Ec. 2*a*—Geog. of Com.	3	*Ec.* 2*b*—Geog. of Commerce*	3
Math. 1—College Algebra	3	*Math.* 1—Trig. & Solid Geom.	3
Physics 2*a*—Mechanics & Heat	4	*Physics* 2*b*—Elec., Sound, Light	4
M. E. 1—Mech. Drawing	1	*M. E.* 1—Mech. Drawing	1
M. E. 1*a*—Bldg. Problems	1	*M. E.* 1*b*—Wood Turning†	1
P. E. 1—Phys. Education	1	*P. E.* 1—Phys. Education	1
Mil. 1—Mil. Sci. & Drill	1½	*Mil.* 1—Mil. Sci. & Drill	1½
	17½		17½

*Students entering without Chemistry will substitute Chem. 1b.

†Students entering with Wood Turning will substitute M. E. 2b.

SOPHOMORE YEAR.

FIRST SEMESTER.	Credit Units	SECOND SEMESTER.	Credit Units
Eng. 2—Adv. Compo.	2	*Eng.* 2—Adv. Compo.	2
Math. 2*a*—Anal. Geom.	3	*Math.* 2*b*—Diff. Calculus	3
Chem. 2—Gen. Inorganic	4	*Chem.* 2—Gen. Inorganic	4
M. E. 2—Mech. Dr. & Desc. Geom.	2	M. E. 2—Mech. Dr.&Desc. Geom.	2
M. E. 2a—Pattern Making	2	*M. F.* 2*b*—Mach. Joinery	2
M. E. 2*c*—Direct Currents	3	*M. E.* 2*d*—Alternating Cur'nts	3
Mil. 2—Mil. Sci. & Drill	1½	*Mil.* 2—Mil. Sci. & Drill	1½
	17½		17½

JUNIOR YEAR.

FIRST SEMESTER.	Units Credit	SECOND SEMESTER.	Credit Units
Math. 3*a*—Integ. Cal.	3	*Math.* 3*b*—Graphic Computation	2
Math. 3*c*—Pl. Surveying	2½	*M. E.* 3*b*—Forging	2
M. E. 3—Mach. Shop Pract.	1½	*M. E.* 3—Machine Shop Practice	1½
Ec. 3*a*—El. Econ.	3	*Ec.* 3*b*—El. Econ.	3
Chem. 3*c*—Qual. Anal.	4	*Chem.* 3*d*—Quan. Anal.	4
M. E. 3*a*—Mach. Elements	1½	*M. E.* 3*d*—Applied Mechanics.	3
Mil. 3—Mil. Sci. & Drill	1½	*Mil.* 3—Mil. Sci. & Drill	1½
	17		17

SENIOR YEAR.

FIRST SEMESTER.	Credit Units	SECOND SEMESTER.	Credit Units
M. E. 4—Power Plants	4	*M. E.* 4—Power Plants	4
M. E. 4a—Auto. Mech.	4	*M. E.* 4*b*—Mat. of Eng.	3
M. E. 4c—Hydraulics	2	*M. E.* 4d—Int. Comb. Engines	2
M. E. 4*e*—Thermodynamics	3	*Math.* 3*f*—Factory Mgt.	2
M. E. 4*g*—Mach. Design	3	Electives	6
Mil. 4—Mil. Sci. & Drill	1½	*Mil.* 4—Mil. Sci. & Drill	1½
	17½		18½

COURSES FOR THE TRAINING OF TEACHERS
IN
AGRICULTURE AND HOME ECONOMICS.

Approved and adopted by the State Board of Education

AGRICULTURE.

Required subjects—71 credits.

A—Same as under **Agriculture**, page 40.

Elective subjects—69 credits.

B—55 credits in the following departments:

Agr. Engineering	2½	Genetics	3
Bacteriology	4	Horticulture	3
Dairy Husbandry	3	Poultry Husbandry	3
Forestry	3½	Rural Sociology (See Ed.)	3
Education	12	Apprentice Teaching	15

C—14 credits in one of the following groups:

(a)		(b)	
Veg. Gardening (See Hort.)	6	Pomology (See Horticulture)	6
Entomology (See Zoology)	4	Entomology (See Zoology)	4
Plant Pathology (See Botany)	4	Plant Pathology (See Botany)	4

(c)		(4)	
Dairy Husbandry	8	Poultry Husbandry	8
Animal Husbandry	6	Animal Husbandry	6

NOTES.

1—**Farm Experience.** Before appointment to ateaching position under the State Board of Education the candidatee must give evidence of at least two years of actual farm experience.

2—**Apprentice Teaching.** The professor of Agricultural Education will place senior students during one semester as apprentice teachers in approved high school departments of agriculture. A full semester's college credit is granted for such teaching.

3—**Advisor.** The plan of elective groupings must be made with approval of the professor of Agricultural Education.

HOME ECONOMICS.

FRESHMAN YEAR.

First Semester.	Credit Units	Second Semester.	Credit Units
Eng. 1—English Compsition	3	*Eng.* 1—English Composition	3
Zool. 1*a*—General Zoology	4	*Bot.* 1*b*—General Botany	4
Chem. 2—General Chemistry*	4	*Chem.* 2—Gen. Inorganic Chem.*	4
H. E. 1*a*—Elemen. Cookery	4	*H. E.* 1*b*—Sewing	4
H. E. 1*c*—Household Mgt	3	*D. H.* 1*d*—Home Dairying	3
Phys. Ed. 1*a*—Phys. Education	1	*P. H.* 1*d*—Home Poul'y Keep'g	
		Hort. 1*d*—Home Gardening	
		Phys. Ed. 1*b*.—Phys. Education	1
	19		19

*Students entering without chemistry will substitute H. E. 3e in the first semester and Chem 1b in the second semester.

SOPHOMORE YEAR.

First Semester.	Credit Units	Second Semester.	Credit Units
Eng. 2—Eng. Literature	2	*Eng.* 2—Eng. Literature	2
Chem. 3*a*—Organic Chemistry	3	*Chem.* 3*b*—Physiological Chem	3
Zool. 3*c*—Phys. of Nut. & Hyg.	4	*Bact.* 2*d*—Household Bact	4
Phys. 2—Household Physics	3	*Phys.* 2—Household Physics	3
H. E. 2*a*—Textiles & Design	3	*H. E.* 2*b*—Adv. Cookery	4
Eng. 2*a*—Public Speaking	2	*H. E.* 2*c*—House Construction	2
Phys. Ed. 2*a*—Phys. Education	1	*Phys. Ed.* 2*b*—Phys. Education	1
	18		19

JUNIOR YEAR.

First Semester.	Credit Units	Second Semester.	Credit Units
H. E. 3—Sewing	4	*H. E.* 3—Sewing	4
H. E. 3*a*—Nutrition*	3	*H. E.* 3*b*—Practice House*	6
Ec. 3*a*—Elem. Economics	3	*Ec.* 3*b*—Elem. Economics	3
Ed. 3*a*—Philos. of Education	3	*Ed.* 3*b*—Ed. Psychology	3
Elective	3	*Ed.* 3*b*—Prin. of Teaching	3
	16		19

*The class will be divided—half taking H. E. 3a and half H. E. 3b in the first semester. The two groups reverse in the second semester.

SENIOR YEAR.

First Semester.	Units Credit	Second Semester.	Credit Units
H. E. 4*a*—Millinery	3	*H. E.* 4*b*—Apprentice Teaching	15
H. E. 4*c*—Marketing	1		
Ed. 4*c*—Teaching Homee Ec.	3		
H. E. 4*e*—Home Nursing	2		
Elective	4		
	13		

NOTE—*Apprentice Teaching.* Students will be placed in schools of the state for a full semester.

Electives—Approval of the advisor must be secured.

ELECTION OF COURSES.

Election by Freshmen and Sophomores. Members of these classes may elect only with the approval of the Secretary, except in the case of Sophomores who have chosen a Major Group. In this case, the Major Advisor should be consulted first.

Prerequisites. No course may be elected unless the prerequisite courses, as stated in the description of the course, have been completed.

Conflicts in Schedule. The number of the course indicates the year in which it should be elected to avoid conflict. It should be borne in mind that not all combinations are possible.

MAJOR GROUPS.

Before the end of the Sophomore year, students in Agriculture and Science may select a Major. On the following pages are outlines showing the sequence of courses. The distribution of credit units is as follows:

Agriculture

Required for degree	140			Credit	units
Required of all students		71		“	“
Major Group			25	“	“
Minor Group (related)			20	“	“
Minor Group (unrelated)			10	”	“
Free Electives			14	”	“
			69	“	“

Science

Required for degree	140			Credit	units
Required of all students		70		“	“
Major group			20	“	“
Minor group (related)			15	“	“
Minor group (unrelated)			10	“	“
Free electives			15	“	“
			60		

Advisors. Students will consult the advisor for the major group chosen. Semester cards must be approved by the advisor before acceptance at the Secretary's office.

ANIMAL HUSBANDRY.

Professor H. L. Garrigus, Advisor.

	Courses		Units	Year
Major Group 24 units	A. H. 1b	Types and Breeds (Required of all)	3	Freshman
	A. H. 2a	Beef Cattle and Horses	3	Sophomore
	A. H. 2b	Sheep and Swine	3	Sophomore
	A. H. 3a	Beef Cattle and Horses (Advanced Work)	3	Junior
	A. H. 3b	Sheep and Swine (Advanced work)	3	Junior
	A. H. 3d	Feeds and Feeding	2	Junior
	A. H. 4a	Herd & Stud Book Study	2	Senior
	A. H. 4c	Principles of Breeding	2	Senior
	A. H. 4b	Seminar	2	Senior
	Vet. Sc. 4a	Comparative Anat. & Phy.	2	Senior
	Vet. Sc. 4c	Vet. Obstetrics	2	Senior
Related Minor Group 22 units	D. H. 2a	Cattle Judging	3	Senior
	Bact. 2a	General Bacteriology	4	Soph. or Jr.
	D. H. 3a	Animal Nutrition	3	Junior
	Bot. 3a	Genetics	3	Junior
	Chem. 3a & 3b	Org. & Physiolog. Chem.	6	Senior
	Agron. 3a	Forage Crops	3	Senior
Unrelated Minor Group Choose 10 units	Econ. 2a	Geography of Commerce	3	Sophomore
	Eng. 3b	Public Speaking	2	Junior
	Ed. 3a	Philosophy of Education	3	Junior
	Agr. Eng. 3b	Farm Buildings	2½	Junior
	Econ. 4b	Market. of Farm Prod.	3	Senior
Free Electives 13 units		No restrictions		

NOTE—The last column designates the year in which courses should be elected to avoid conflicts.

DAIRY HUSBANDRY.

Professor G. C. White, Advisor.

A—Dairy Production.

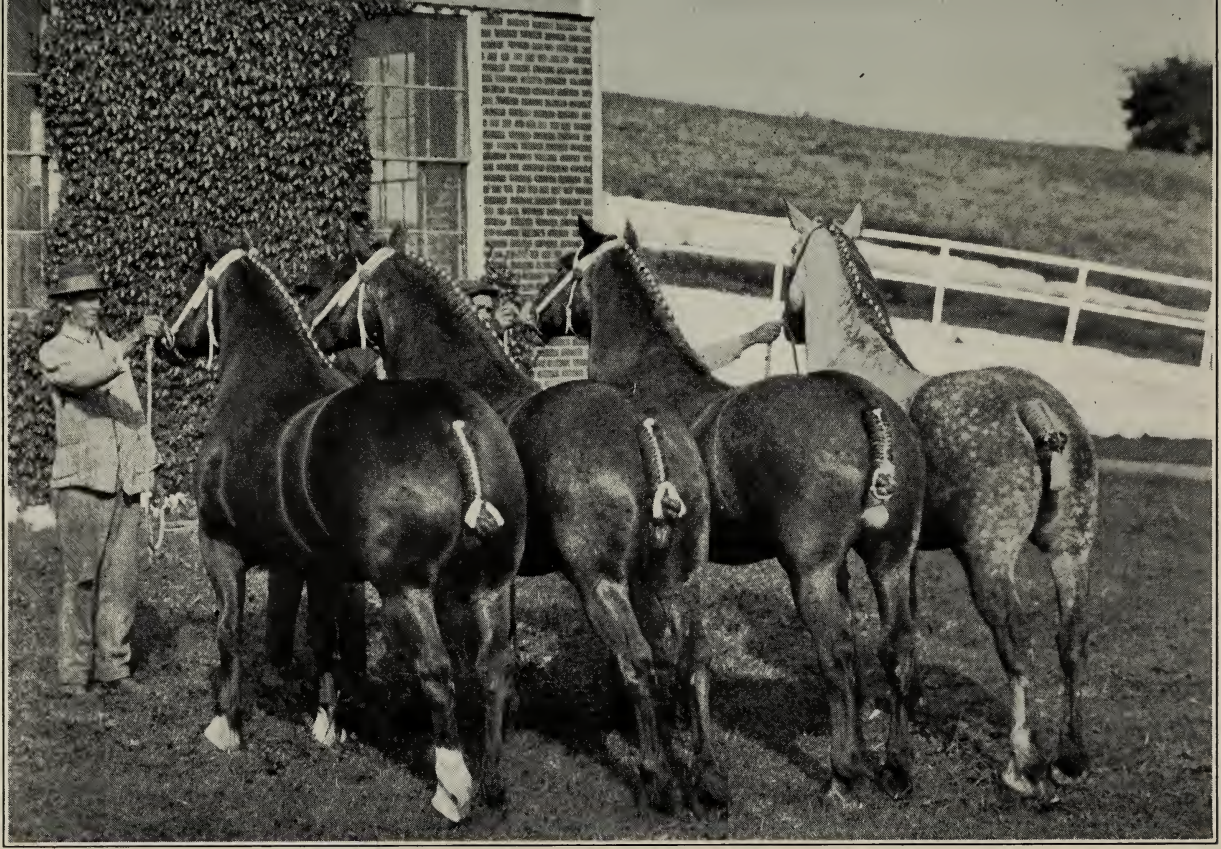
	Courses		Units	Year
Major Group 27 units	D. H. 1a	Milk Testing & Separating	3	Freshman
	D. H. 1b	Milk Production	3	Freshman
	D. H. 2a	Cattle Judging	3	Sophomore
	D. H. 3b	Butter and Cheese Making	3	Junior
	D. H. 3a	Animal Nutrition	3	Junior
	D. H. 3d	Advanced Judging	3	Junior
	D. H. 4a	Herd Improvement	3	Senior
	D. H. 4	City Milk Supply	6	Senior
Related Minor Group 19 units	Bact. 2a	General Bacteriology	4	Junior
	Bact. 3a	Dairy Bacteriology	4	Junior
	Gen. 3a	Genetics	3	Junior
	A. H. 4a	Veterinary Science	2	Senior
	Chem. 3	Organic and Phys. Chem.	6	Senior
Unrelated Minor Group Choose 10 units	A. H. 4c	Prin. of Breeding	2	Senior
	A. H. 2b	Sheep and Swine	3	Sophomore
	Eng. 3b	Public Speaking	2	Junior
	Ed. 3a	Philosophy of Education	3	Junior
	Agron. 3a	Forage Crops	6	Senior
	Econom. 4b	Market. of Farm Products	4	Senior
	Jour. 3	News Writing	3	Junior
Free Electives 12 units		No restrictions		

DAIRY HUSBANDRY.

Professor R. C. Fisher, Advisor.

B—Dairy Manufacture and Milk Supply.

	Courses		Units	Year
Major Group 25 units	D. H. 1a	Milk Testing & Separating	3	Freshman
	D. H. 1b	Milk Production	3	Freshman
	D. H. 2a	Cattle Judging	3	Junior
	D. H. 2b	Ice Cream Making	3	Sophomore
	D. H. 3a	Animal Nutrition	3	Senior
	D. H. 3b	Butter & Cheese Making	3	Junior
	D. H. 4	City Milk Supply	6	Senior
	D. H. 4e	Seminar	1	Senior
Related Minor Group 20 units	Bact. 2a	General Bacteriology	4	Sophomore
	Bact. 2b	Dairy Bacteriology	4	Sophomore
	Chem. 3a	Organic Chemistry	3	Junior
	Chem. 3b	Physiological Chemistry	3	Junior
	Physics 2a	Mechanics and Heat	3	Senior
	Econ. 4b	Market. of Farm Products	3	Senior
Unrelated Group 10 units	Econon. 2b	Geography of Commerce	3	Sophomore
	Gen. 3a	Genetics	3	Junior
	Eng. 3b	Public Speaking	2	Junior
	Ed. 3a	Philosophy of Education	3	Junior
	Math. 3f	Factory Management	2	Senior
Free Electives 14 units		No restrictions		



PURE-BRED PERCHERON MARES

POMOLOGY.

Professor S. P. Hollister, Advisor.

	Courses		Units	Year
Major Group 27½ units	Hort. 1a	Introduct. to Horticulture	3	Freshman
	Hort. 2	Veg. Gard'g & Sm. Fruits	8	Sophomore
	Hort. 3a	Practical Pomology	4	Junior
	Hort. 3b	Stone Fruits	2	Junior
	Hort. 3d	Orchard Spraying	2	Junior
	Hort. 4c	Systematic Pomology	2	Senior
	Hort. 4b	Advanced Pomology	3	Senior
	Hort. 4d	Landscape Gardening	4	Senior
Related Minor Group 18 units	Bot. 2a	The Higher Plants	4	Junior
	Ent. 2a	Elementary Entomology	3	Soph. or Jr.
	Ent. 2b	Economic Entomology	4	Soph. or Jr.
	Bot. 3a	Plant Pathology	4	Junior
	Genet. 3a	Introduction to Genetics	3	Junior
Unrelated Group Choose 10 units	Poul. 1a	Poultry Culture, or	3	Freshman
	D. H. 1a	Milk Testing & Separating	3	Freshman
	Eng. 3b	Public Speaking	2	Junior
	Econ. 2b	Geography of Commerce	3	Sophomore
	Poul. 2a	Poultry Production	3½	Sophomore
	Agr. Eng. 3a	Drainage and Irrigation	3½	Junior
	Econ. 4b	Marketing Farm Products	3½	Junior
	Jour. 3	News Writing	3	Senior
Free Electives 12½ units		No restrictions		

POULTRY HUSBANDRY.

Professor W. F. Kirkpatrick, Advisor.

	Courses		Units	Year
Major Group 22 units	P. H. 1a	Poultry Culture	3	Freshman
		or		
	P. H. 1b	Poultry Culture		
	P. H. 2a	Poultry Production	3½	Sophomore
	P. H. 2b	Poultry Pathology	3	Sophomore
	P. H. 3a	Com. Poultry Keeping	3½	Junior
	P. H. 3b	Poultry Husbandry	3½	Junior
	P. H. 4a	Seminar & Judging	2	Senior
	P. H. 4b	Thesis	3½	Senior
Related Minor Group 20½ units	Bact. 2a	General Bacteriology	4	Soph. or Jr.
	Agri. Eng. 3b	Farm Buildings	2½	Junior
	Gen. 3a	Genetics	3	Junior
	Zoo. 3d	Parasitology	2	Junior
	D. H. 3a	Animal Nutrition	3	Junior
	Chem. 3a & 3b	Organic & Phys. Chem.	6	Senior
Unrelated Minor Group Choose 10 units	A. H. 2b	Sheep and Swine	3	Junior
	Econom. 2b	Geography of Commerce	3	Sophomore
	Eng. 3b	Public Speaking	2	Junior
	Ed. 3a	Philosophy of Education	3	Junior
	Jour. 3	Journalism	4	Junior
	Econom. 4b	Market. of Farm Products	3	Senior
Free Electives 16½ units		No restrictions		

DEPARTMENTS OF INSTRUCTION

The course numbers (1, 2, 3, and 4) indicate the year in which the courses should usually be taken by the student. The letters, **a**, **c**, and **e** mean that the course so marked is offered in the first semester, while the letters **b**, **d** and **f** signify that the course is given in the second semester. Courses that are numbered but not lettered are whole year courses. For example, course marked **1a** and **2c** are offered in the first semester of the freshman and sophomore years respectively. Courses marked **3b** and **4d** are offered in the second semester of the junior and senior years respectively, while a course marked simply **4** would mean that it is offered throughout the senior year: One lecture hour, one recitation period, or two hours of laboratory work per week for one semester entitles a student to 1 credit.

AGRONOMY.

Professor Slate, Assistant Professor Abell, Mr. Klinck.

1a—Field Crop Production Prof. Abell

A general introductory course covering the principles and practices involved in growing corn, small grains, potatoes, grasses, legumes, and other field and forage crops. The student must not only become familiar with these crops and their culture, but come to an appreciation of their relation to the farm as a whole. The end is accomplished largely through field laboratory work and the assignment of cropping problems

1 hour Lect. 4 hours Lab. *3 Credits*

2a—Soil Management Prof. Slate

A study of soils, their properties and management in relation to crop production. The elements of soil fertility are included.

3 hours Lect. 2 hours Lab. *4 Credits*

3a—Forage Crops Prof. Abell

A course in the taxonomy or forage crops, their history, distribution, adaptation and culture. Special emphasis is placed on the pasture problem, as being vital to successful agriculture in the northeastern states.

2 hours Lect. 2 hours Lab. *3 Credits*

3b—Tobacco, Potatoes and Other Cash Crops Prof. Abell

This course deals with these crops in much greater detail than is possible in Course **1a**. Special emphasis is placed on a study of the growing, curing, marketing and manufacturing of wrapper leaf tobacco.

3 hours Lect. *3 Credits*

4b—Soil Fertility Prof. Slate

A study of the literature, particularly that dealing with the more recent investigations in this field. The course is given in the manner of a seminar.

2 hours Lect. *2 Credits*

AGRICULTURAL ENGINEERING.

Prof. Slate and Mr. Klinck.

1a—Wood Working Mr. Klinck

The aim of this course is to acquaint the student with the bench tools used on the average farm. The adjustment and care of tools is studied, and practice given in laying out and working such problems as ordinary farm repair and construction work presents.

4 hours Lab. *2 Credits*

1b—Mechanical Drawing Mr. Klinck

A course intended primarily to familiarize the student with the use of drafting instruments, principles of lettering, the making and reading of working drawings, graphic representation of data, and a limited amount of free hand sketching.

4 hours Lab. *2 Credits*

2a—Farm Machinery Mr. Klinck

This course includes the principles, operation and care of farm machinery. Some time is devoted to engines and farm power.

1 hour Lect. 4 hours Lab. *3 Credits*

3a—Farm Sanitation and Water Supply Mr. Klinck

The problem of the farmer in regard to sanitary sewage disposal, and convenient, economical water supply are worked out and fully discussed. The cost and relative efficiency of various systems are compared with a problem of design and specifications for the installation of one system to be worked out by each student.

1 hour Lect. 3 hours Lab. *2½ Credits*

3b—Farm Construction Mr. Klinck

A—The design and construction details of farm buildings. Each student must design and make out complete specifications for at least one farm building. As many other buildings will be designed as time will permit.

B—The mixing, testing, placing and general farm uses of concrete will be fully studied. Students will perform actual work in building forms, mixing and placing of the concrete.

1 hour Lect. 3 hours Lab. *2½ Credits*

4b—Farm Power Mr. Klinck

A study of the internal combustion engine is made in detail, with emphasis on causes and remedies of engine troubles. Brake tests are employed to determine fuel consumed and powdeveloped, under various conditions of fuel mixture, valve, and spark timing, etc. The various problems and methods of power transmission are worked out for farm conditions. Steam engines and tractors are taken up briefly. As a course problem, each student must design a complete up-to-date farm power plant, with all specifications.

1 hour Lect. 3 hours Lab. *2½ Credits*

ANIMAL HUSBANDRY.

Prof. Garrigus, Mr. Skinner.

1b—Study of Types and Breeds Mr. Skinner

A systematic study will be made of the origin, history, development, characteristics and value of the different breeds of horses, cattle, sheep and swine. The laboratory work will consist of a study of the use of score card and comparative judging. Text books, "Types and Breeds of Farm Animals," by Plumb; "Live Stock Judging Selection," by Curtis.

2 hours Lect. 2 hours Lab. *3 Credits*

2a—Beef Cattle and Horses Mr. Skinner

Management of horses and beef cattle with special emphasis in regard to utility, including practical handling of horses and beef cattle. Laboratory consists of practice in judging and work in handling horses and cattle. Reference, "Productive Horse Husbandry," by Gay.

2 hours Lect. 2 hours Lab. *3 Credits*

2b—Sheep and Swine Mr. Skinner

General study of production and management of sheep and swine with special emphasis in regard to utility, including practical handling of sheep and swine. Laboratory consists of practice in judging and work in connection with handling sheep and swine. Text books, "Productive Swine Husbandry," by Gay; "Sheep Management," by Kleinheinz.

2 hours Lect. 2 hours Lab. *3 Credits*

3—Advanced Judging Prof. Garrigus, Mr. Skinner

An advanced course in judging, intended as a parallel course with **3a** and **3b** to aid in the selection of superior breeding stock, judging at fairs, etc. Judging teams will naturally be selected from this class.

2 hours Lab. *2 Credits*

3a—Advanced Work in Horses and Cattle Prof. Garrigus

Continuation of Animal Husbandry **2a**. The management of horses and beef cattle more especially pertaining to the breeding of pure breds, fitting, showing and selling.

2 hours Lect. *2 Credits*

3b—Advanced Work in Sheep and Swine Prof. Garrigus

Continuation of **2b**, management of sheep and swine, with special reference to breeding, fitting, showing and selling pure breds.

2 hours Lect. *2 Credits*

3d—Feeds and Feeding Mr. Skinner

A study of adaptability of different feeds for horses, beef cattle, sheep and swine. Special attention will be given to practical methods of feeding and to the method of selecting the most economical feeds. Practice in feeding is offered.

Prerequisites, Dairy Husbandry 3a. Text books, "Feeds and Feeding," by Henry and Norrison.

1 hour Lect. 2 hours Lab. *2 Credits*

4a—Herd and Stud Book Study Mr. Skinner

An advanced course in the study of breeds, particularly relating to the most productive sires and dams and successful breeding.

1 hour Lect. 2 hours Lab. *2 Credits*

4c—Principles of Breeding Mr. Skinner

To familiarize the student with the problems that are involved in animal improvement; to acquaint him with the facts which are already established and to indicate the lines and methods of further work. Text, "Genetics," by H. E. Walter; "Breeding Farm Animals," by Marshall; Supplementary reading. Prerequisite, Botany 3a.

2 *hours Lect.* *2 Credits*

4b—Seminar Prof. Garrigus, Mr. Skinner

For seniors majoring in Animal Husbandry only. Advanced study upon questions pertaining to live stock. It is intended that each student will at least to some extent, specialize. Reading, research and compilation of material will form a large part of the work. Thesis required.

1 hour Lect. 2 hours Lab. *2 Credits*

APICULTURE

3b—Beekeeping Prof. Watson

A course of instruction for beginners in apiculture will be given during the second semester. The fundamental principles of bee behavior will be carefully studied, with the view of leading the student to scientific practices in the handling of bees.

Special attention will be given to the profitable management of small home apiaries of which there are over two thousand in this state. Such topics as fall manipulation, wintering of bees, spring management, swarm control, methods of increase, comb and extracted honey productnon, grading and marketing honey, queen rearing, transferring, Italianizing, and the control of bee diseases will be dealt with.

The laboratory will give experience in constructing hives and equipment, and the actual manipulation of bees in the college apiary. Test practice in the apiary will be followed by a general conference with constructive criticisms and suggestions for the improvement of technique. Text, "Beekeeping," by E. F. Phillips.

2 hours Lect. 2 hours Lab. *3 Credits*

4a—Apiary Management Prof. Watson

This will be a course in advanced beekeeping. It will take up more in detail subjects which received a necessarily limited treatment in apiculture **3b.** The principles of commercial apiary management will be dealt with as fully as practicable First hand practical experience will be given in fall manipulation and preparation of bees for winter, thus completing the student's experience in the cycle of the year. Prerequisite, Apiculture **3b.**

2 hours Lect. 2 hours Lab. *3 Credits*

BACTERIOLOGY

Professor Esten, Miss Mason

2a—General Bacteriology Prof. Esten, Miss Mason

This course will consider the following topics: History and scope of the subject; forms and activities of bacteria; the relation of bacteria to the production and handling of milk; the use of bacteria in the making of butter and cheese; bacteria and hygiene; preventive medicine and the function of bacteria in soil fertility.

2 hours Lect. 4 hours Lab. *4 Credits*

2b—Dairy Bacteriology Prof. Esten, Miss Mason

This course will be a study of the following topics: Special methods for finding the number of bacteria in milk, preparation of special kinds of culture media for detection of varieties of bacteria, effect of different groups of bacteria in milk, butter, and cheese, sources of milk contaminations and their elimination, bacteria in cream "starters" and commercial cultures for ripening of cream and cheese, sanitary milk production and diseases which may be carried by milk. Prerequisite Bacteriology **2a.**

2 hours Lect. 4 hours Lab. *4 Credits*

2d—Household Bacteriology Prof. Esten, Miss Mason

Use of bacteria, yeasts and molds in the preparation and preservation of foods. A study of the yeasts, molds and bacteria that spoil foods, care of milk in the home, the bacteriological principles of canning. Control of children's diseases and infectious diseases in general, and the relation of the home to public health questions.

2 hours Lect. 4 hours Lab. *4 Credits*

3a—Soil Bacteriolgoy Prof. Esten, Miss Mason

This course will include the study of the work of bacteria in soil formation; the breaking down of rock materials soluble for plant foods; the relation of bacteria to the world's supply of nitrogen; and the preservation of fertilizers. The work of bacteria on organic matter for the increase of humus in the soil and their agency in the production of a world's supply of food will also be studied. Prerequisite Bacteriology 2a.

2 hours Lect. 4 hours Lab. *4 Credits*

3b—Technical Bacteriology Prof. Esten, Miss Mason

This will be a course in preparation for teaching bacteriology or for positions in public health and milk testing laboratories. It will include pathogenic problems, control of communicable diseases, equipment of laboratories, preparation and use of culture media, stains, etc., the theory of immunity, special health problems, control of healthful water supplies and sewage systems, and sanitation on the farm. The class will have seminar work and discussions on special topics. Prerequisite Bacteriology 2a.

2 hours Lect. 4 hours Lab. *4 Credits*

4—Bacteriological Investigations Prof. Esten

Special problems may be undertaken on consultation with Prof. Esten. Hours and credits by arrangement.

BOTANY

Professor Sinnott, Mr. Torrey

1b—Introduction to Botany Prof. Sinnott, Mr. Torrey

A general introductory course, aiming to present a knowledge of the plant as a living organism. Attention is primarily directed to a study of the structure and functional activities of the seed plants as a basis for an intelligent understanding of the principles of botany, and their relation to the various fields of agriculture. A brief survey is also made of the more important plant types throughout the vegetable kingdom.

2 hours Lect. 4 hours Lab. *4 Credits*

2a—The Higher Plants Prof. Sinnott

The morphology, physiology and evolution of the vascular cryptogams and seed plants. Prerequisite, Botany **1b.**

2 hours Lect. 4 hours Lab. 4 Credits

3a—Plant Pathology Mr. Torrey

(Offered in 1919-1920 and alternate years.)

Diseases of plants with especial reference to those caused by parasitic fungi. A thorough study of a few types as a basis for control measures. Prerequisite, Botany **1b.**

2 hours Lect. 4 hours Lab. 4 Credits

3b—The Classification and Distribution of Flowering Plants Prof. Sinnott, Mr. Torrey

(Offered in 1919-1920 and alternate years.)

This course aims to make the student familiar with the native flora and with the main features of the classification of the flowering plants. Attention is also given to the factors which determine plant distribution, and to the technique of collecting and herbarium work. Students who intend to take the course are requested to consult the instructors before the end of the college year to arrange for summer work, for which additional credits will be given by arrangement with the instructor.

1 hour Lect. 4 hours Lab. 3 Credits

3—Advanced Botany Prof. Sinnott, Mr. Torrey

A course for advanced students who desire to pursue a special line of work in botany, either in morphology, physiology or pathology. Opportunity will be given to acquire familiarity with the technique of killing and fixing various types of plant material, embedding in paraffin and celloidin, cutting microtome sections and preparing and staining mounts; with the use of physiological apparatus, and with the technique of plant pathology. Each student will be expected to devote special attention to a particular problem, and an introduction to methods of investigation. Prerequisites, Botany **1b** and **2a** or **2b** and the permission of the instructor.

Laboratory work only. Hours and credits by arrangement.

4b—Botanical Seminar Prof. Sinnott

The History of Botanical Science. Reading, reports and disussions. Open only to those who are taking Botany 3 or to others by the consent of the instructor.

1 hours Lect. *1 Credit*

CHEMISTRY.

Professor Newton, Prof. Hughes, Miss Bayley.

1b—Elementary Chemistry Prof. Hughes

This course offers an elementary study of general chemistry as outlined in the first half of Alexander Smith's "Elementary Chemistry," and "Laboratory Outline of Elementary Chemistry." Required for students who have had no previous training in the subject and for those who have not satisfactorily completed a similar coursee in an accredited secondary school.

2 hours Lect. 4 hours Lab. *4 Credits*

2—General Inorganic Chemistry
Prof. Newton, Prof. Hughes, Miss Bayley

The work of the first semester is devoted to a study of the fundamental principles of chemistry in connection with the descriptivee and qualitative chemistry of the non-meteallic elements is given in the second semester. During both semesters attention is given to the important concepts of heat, light, and electricity in their relation to the science. The lectures of the course are arranged to precede the work of the laboratory where the student is expected to verify the principles and facts discussed in the lecture room by solving some fifty problems in elementary qualitative analysis. In solving these laboratory problems special stress is laid upon training the student in careful manipulation, thoroughness of observation, arriving at correct conclusions, and proper note taking. Prerequisite, Chemistry **1b** or an aproved secondary school course.

2 hours Lect. 4 hours Lab. *8 Credits*

3a—Organic Chemistry Prof. Newton, Prof. Hughes

This course consists of a study of the more important classes of organic compounds such as the aliphatic and aromatic hydrocarbons, alcohols, phenols, and others. The lectures are illustrated by lecture table experiments and prepared compounds from the chemical museum. In the laboratory the student is made familiar with the operation and apparatus involved in organic work, such as fractional distillation, crystalization, determination of melting and boiling points, and with various methods, of preparation, such as saponification, nitration, sulphonation, reduction and oxidation.

2 hours Lect. 2 hours Lab. *3 Credits*

3b—Physiological Chemistry Prof. Newton, Miss Bayley

Lectures and laboratory work on nutrition as related to the chemistry of the proteins, fats and carbohydrates; enzymes and their action; the cell and its direct nutrition; blood and lymph as carriers of nutrients to the cell, and waste products from the cell; the production and repair of tissues; the excretions including the urine and feces as carriers of waste products. The course also includes further instruction in the subject of organic chemistry so far as it applies to the subject of physiology. Text, Hawk, "Practical Physiological Chemistry."

2 hours Lect. 2 hours Lab. *3 Credits*

4—Quantitative Analysis Prof. Newton

In this course one-half of the first semester is devoted to gravimetric analysis and the other to volumetric analysis. This work is regarded as preliminary training for the problem work of the second semester and the time is spent upon processes which are typical of the two divisions of the subject. Much stress is laid upon the accuracy, care and intellectual honesty necessary for succesful quantitative work. Attention is given to the modern theory of solution and to stoichiometry as applied to quantitative analysis. Texts, Gooch, "Representative Procedures in Quantitative Chemical Analysis," Treadwell, "Analytical Chemistry," Vol. 2. In the second semester each student is given one or more problems which may be solved, in part at least by analytical chemistry. Through the solution of these problems he becomes acquainted with the methods of researh and the proper use of literature in the field of chemistry.

Hours by Arrangement. 8 hours Lab. *8 Credits*

4a—Food Chemistry Prof. Newton

The lecture room work of the course will consist of a discussion of the analytical and descriptive chemistry of the different classes of food stuffs, together with the interpretation of results connected with state and government food inspection and legislation. In the laboratory the student will have practice in the analysis of different food stuffs and in addition to the regular laboratory work each student will be obliged to complete a detailed report concerning some one particular food material, its forms of adulteration and the most rapid way of detecting them, accompanied with actual figures obtained from the laboratory data.

2 hours Lect. 4 hours Lab. 4 Credits

4b—Chemistry and Dyeing of Textile Fibers Prof. Newton

The lectures and laboratory work will deal with the classification of textile fibers, their ultimate composition, their action toward acid and alkali, and qualitative and quantitative differentiation tests. The more common processes such as mercerization, fireproofing of cotton and the making of artificial silk will be considered. Under the subject of dyeing, attention will be paid to the nature of the dyeing, process, classification of dyes, study and use of typical acid, basic, substantive, sulfur and mordant dyes. Speial attention will also be given to dyeing in the household.

2 hours Lect. 4 hours Lab. 4 Credits

DAIRY HUSBANDRY

Prof. White, Asst. Prof. Fisher.

1a—Milk Production Prof. Fisher

This course is a study of the composition of milk, its chemical and physical properties, milk secretion, and factors causing a variation in the composition of milk; the Babcock test for butter fat in milk and milk products and its application in record keeping, standardization of products, in the sale of milk and milk products, and for testing the efficiency of the separating, churning and cheese making processes; methods of sampling; records and methods of advanced registry and cow testing association work; the lactometer and its use in testing for speific gravity; solids-not-fat and total solids; testing for acidity of milk and cream; and the various methods of cream separation, including a study of the construction and operation of centrifugal separators.

2 hours Lect. 2 hours Lab. 3 Credits

1b—Milk Production Prof. White

This course takes up the study of dairying from the standpoint of the production of milk. The present status and extent of the industry are first considered. The balancing of dairy rations, systems of herd feeding, silage and silos, soiling crops and pastures, raising calves and heifers, care, feed and selection of the sire, the principles of dairy cattle breeding, dairy herd development and management, some common diseases of the dairy herd, and methods and forms for herd records are included. Dairy barn construction, arrangement and equipment, milk production costs, fitting show stock, registering pure breds, tracing pedigrees, and dairy cattle valuation are a part of the subject matter and practicums.

2 hours Lect. 2 hours Lab. *3 Credits*

1d—Domestic Dairying Prof. Fisher

This course is essentially a study of milk and its products, their manufacture and uses. The lecture work will take up the composition, nutritive and economic value of milk; the Babcock test and its applications; chemical and physical differences in milk and their relation to the public health; the clarification and pasteurization of milk; the use of milk in infant feeding; care of milk in the home; manufacture and uses of condensed milk, milk powders, buttermilk and fermented milks; separating cream from milk, and the home manufacture of soft cheeses, butter and ice cream. In the laboratory, the Babcock test and tests for purity will be applied to milk and its products; the clarification and pasteurization processes will be carried out and various dairy products will be manufatured. First six weeks of semester.

2 hours Lect. 2 hours Lab. *1 Credit*

2a—Cattle Judging

This course is a study of the history of the development of the dairy breeds, showing the influence of the show ring and other factors. The prize winners of leading cattle shows will be studied. A comprehensive study of the use and value of the scale of points will be made and practice in the comparative judging of animals will be provided.

1 hour Lect. 4 hours Lab. *3 Credits*

2b—Ice Cream Making Prof. Fisher

This course will be a study of the ice cream business, its extent and importance; mechanical refrigeration and its relation to the ice cream business; the shipping properties of cream; factors affecting swell, texture and body; making plain and fancy ice creams, sherberts, ices and puddings; judging ice cream. A trip will be made to visit two or three commercial ice cream plants. Prerequisite, **1a.**

2 hours Lect. 2 hours Lab. *3 Credits*

3a—Animal Nutrition Prof. White

The laws of nutrition and the theory of metabolic processes are studied. The composition, digestibility, characteristics, and adaptability of farm and market feeds for different classes of animals, and the method of selecting the most economical feeds are considered. A study of feeding standards and their application in calculating balanced rations is thoroughly considered, and the latest developments in the science of nutrition are brought out. Prerequisite, Chem **2.**

3 hours Lect. *3 Credits*

3b—Butter and Cheese Making Prof. Fisher

A study of cream for butter making, its quality, pasteurization and methods of ripening, choosing the churn, proper method of churning, washing, salting, and working butter; the market package, marketing butter; the cheese industry, its location and importance. The methods of making some of the soft cheeses such as cottage, neufchatel and cream cheese and the principles and practice of making cheddar cheese, are included; judging butter and cheese. In this course particular emphasis will be laid on the making of butter and cheese under farm conditions, but some practice will be given with the power churns and there will be general problems in creamery management. Prerequisite **1a.**

2 hours Lect. 2 hours Lab. *3 Credits*

3d—Advanced Cattle judging Prof. White

This is an advanced course in cattle judging. In addition to the animals in the College herd, trips will be planned for visiting other herds. An opportunity will be provided for experience in fitting, training and showing animals. Prerequisite **2a.**

6 hours Lab. *3 Credits*

4c—Special Cattle Judging Prof. White

An advanced course in judging, from which competitive teams will be selected. Prerequisite **2a.**

Hours by arrangement *2 Credits*

4a—Herd Improvement Prof. White

This course will include the theory and practice of handling heifers for their best development and usefulness; the value and proper care at time of parturition; a careful study of the cost of milk production; a study of infectious abortion and tuberculosis and methods of control; and the application of theories of inheritance to cattle breeding and methods employed to give the greatest success. Advertising and sale of live stock will be considered. A thesis is required. Prerequisites, Genetics 3a and **D. H. 1b.**

2 hours Lect. 3 hours Lab. *3½ Credits*

4e—Seminar Prof. White and Staff

This course will be a study of the latest results obtained in dairy investigations. Each student must review carefully the literature on special topics and present his findings before the class; latest bulletins and scientific findings will be reviewed and discussed. Prerequisite, student majoring in Dairy Husbandry having Senior standing.

Hours by arrangement *1 Credit*

4—City Milk Supply Prof. Fisher

The topics cover the general scope of the market milk industry; value of milk and its products as food; source of batteria in milk and their significance, factors affecting the quality of milk before and at the time of milking, and after it is drawn, processing, grading and distributing milk, score cards for milk and for dairies; care of the milk in the home; production and handling of special grades of milk; the manufacture of by-products in the milk plant, and the manufacture and use of condensed milk and milk powder. Prerequisite **1a** and Bacteriology **2a.**

2 hours Lect. 2 hours Lab. *6 Credits*

4d—Seminar Prof. White and Staff

This course is a continuation of **4e.**

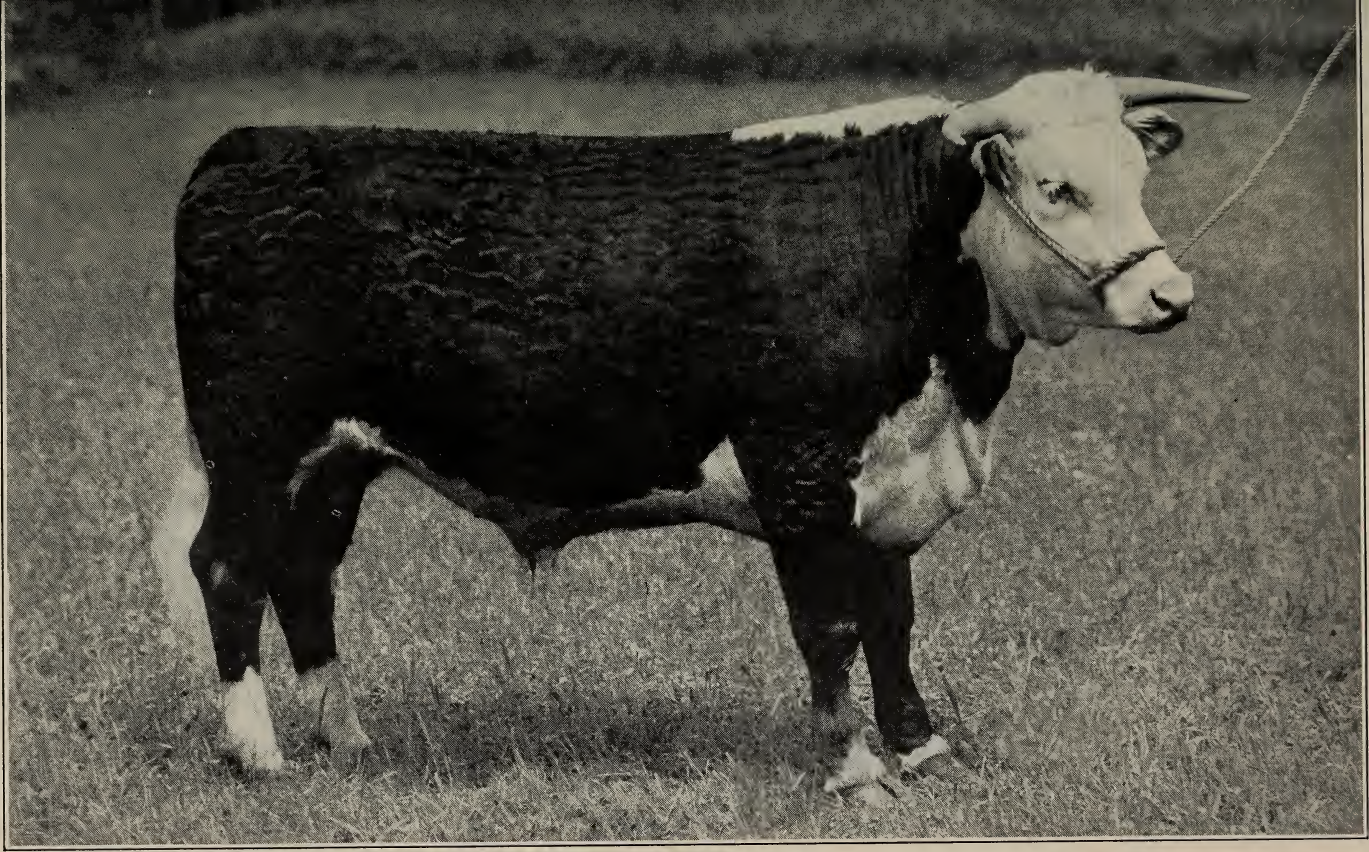
Hours by arrangement *1 Credit*

ECONOMICS.

Prof. Smith, Mr. Price.

2a—The Geography of Commerce Mr. Price

This course will be developed by means of textbook, lectures, and assigned readings. It will consider the physical



PURE-BRED HEREFORD DUKE FAIRFAX NO. 685562
CHAMPION STEER OF NEW ENGLAND

forces and conditions which affect industry and trade; the more important commodities of commere, the regions of their production, their markets, and the underlying principles which affect their trade.

3 hours Lect. *3 Credits*

2b—The Geography of Commere (continued) Mr. Price

This is a continuation of 2a, but relates particularly to the machinery of commerce, that is, to trade routes of land and water, and to other facilities in transportation; ports and their equipment; marketing centers; the relation of banking facilities, and the means of communication to trade; and the commercial policies of the principal commercial countries of the world.

3 hours Lect. *3 Credits*

3a—Elementary Economics Mr. Price

This is a course dealing with the nature and scope of economics; the evolution of economic society; definition of economic terms; the character and forms of wealth; the part played by land, labor and capital in the production of wealth; the consumption of wealth; the principles of value and price; monopoly; the types of business organization, including corporations; the principles of money and banking and international trade. The work will be based upon a text, lectures, assigned readings, and written papers.

3 hours Lect. *3 Credits*

3b—Elementary Economics (continued) Mr. Price

The distribution of wealth in the form of rent, interest, wages and profits, labor problems, transportation, insurance, socialism, taxation, and public finance will be studied in this course. The work will be based upon a text, lectures, assigned readings and written papers. Prerequisite, 3a.

3 hours Lect. *3 Credits*

4a—Agricultural Economics Prof. Smith

In general this will be a study of the three factors of production, land, labor, and capital, as applied to agriculture. Special attention will be given to certain problems such as the shift in population, land valuation, agricultural labor and wages, land tenure and rural credit; including a thorough study of the Federal Farm Loan System. The work will be based upon a text, lectures, assigned readings, and a thesis. Prerequisite **3a** and **3b.**

3 hours Lect. *3 Credits*

4b—The Marketing of Farm Products Prof. Smith

This is a course dealing with the fundamentals of marketing; methods of sale; the wholesale produce trade; sale by auction; cold storage as a factor in marketing; transportation and marketing; the prices of farm produts; produce exchanges and speculation; city markets; parcel post marketing and co-operative marketing. This work will be based upon a text, lectures and investigations. Prerequisites, **3a** and **3b.**

3 hours Lect. *3 Credits*

4c—Money and Banking Mr. Price

Offered in 1919-20 and alternate years.

A study of the principles of money, coinage, and coinage laws, legal tender, the relation of money and prices, bimetalism, the kinds of banks and the services they render, the national banking systems of this and other countries, with special attention to the Federal Reserve System. Prerequisites, Economics, **3a** and **3b.**

3 hours Lect. *3 Credits*

4d—Railroad Transportation Mr. Price

Offered in 1919-20 and in alternate years.

This course deals with the history and principles of railroad transportation. Consideration is given to railway management; freight classification; rate making; express and mail service; state and federal legislation and regulation, with special attention to recent developments of federal control and the problems of government ownership. The work will be based upon lectures, a text and assigned readings. Prerequisite, Economics **3a.**

3 hours Lect. *3 Credits*

4e—Economic History of Modern Europe Mr. Price

Offered in 1920-21 and alternate years.

A study of the origins and development of modern agriculture, industry, and commerce in the principal European countries. Such subjects as the industrial revolution, agricultural problems, and labor organizations will be studied.

3 hours Lect. *3 Credits*

4f—Economic History of the United States Mr. Price

Offered in 1920-21 and alternate years.

A study of the rise and growth of agriculture, industry, and commerce in the United States. The growth of the factory system, corporations, labor organizations, transportation facilities, banking, and communcation will be taken up.

3 hours Lect. *3 Credits*

EDUCATION.

Prof. Eaton, Prof. Sprague.

3a—The Philosophy of Education Prof. Eaton

An introductory course in the aims, values and principles of education.

3 hours Lect. *3 Credits*

3b—Educational Psychology Prof. Eaton

A study of the laws of learning, and the measurement of achievement.

2 hours Lect. 2 hours Lab. *3 Credits*

3d—The Principles of Teaching Prof. Eaton

A study of types and methods of teaching in high shools. Parallel to course 3b. Prerequisite Education 3a.

2 hours Lect. 2 hours Lab. *3 Credits*

4a—The Teaching of Agriculture Prof. Eaton

A study of organization, method and procedure in Vocational Agriculture under the Smith-Hughes Act.

2 hours Lect. 2 hours Lab. *3 Credits*

4c—The Teaching of Home Economics. Prof. Eaton, Prof. Sprague

A study of organization, method, and procedure in vocational home economics under the Smith-Hughes act.

2 hours Lect. 2 hours Lab. *3 Credits*

4e—Rural Sociology Prof. Eaton

A course dealing with the co-ordination and integration of the factors in human progress, having particular reference to rural social organization.

3 hours Lect. *3 Credits*

ENGLISH.

Professor Monteith, Dr. Hays, Miss Wallace, Miss Whitney.

1—English Composition Dr. Hays, Miss Wallace

The aim is the acquisition of skill in correct expression, oral and written. Weekly themes and readings in literature and current magazines are required, and questions of the day are discussed orally in class.

3 hours Lect. *6 Credits*

2—English Literature Dr. Hays

A general course in English literature, the aim of which is an undertaking and appreciation of the great writers, and of the forms into which literature naturally falls. Text, readings and themes.

2 hours Lect. *4 Credits*

2a—Public Speaking Miss Wallace

A course offered for women students only. It covers fundamentals in the use of voice and body and their application in speaking and debating; extemporaneous speaking and the preparation of original speeches. The aim of the course is to develop the power to think when upon the feet and to secure a vocabulary of delivery as well as of composition.

2 hours Lect. *2 Credits*

3—American and Recent English Literature Miss Whitney

The first semester will be devoted to a general study of American literature, and the second semester will be given to readings in recent literature both English and American.

3 hours Lect. *6 Credits*

3b—Public Speaking Miss Wallace

Very similar to **2a**. Open to men students only.

2 hours Lect. *2 Credits*

4—English Writers of the 18th and 19th Centuries Prof. Monteith

A critial study of the writers and literature of this period.

3 hours Lect. *6 Credits*

4a—Advanced Public Speaking Miss Wallace

Practical problems in public speaking. The course is designed especially for those planning to enter Extension work.

1 hour Lect. *1 Credit*

FARM MANAGEMENT.

Prof. Slate and Prof. Abell.

2b—Elementary Farm Management Prof. Abell

A study of farm accounts; farming as a business; farm layout; building arrangement; efficient use of labor, horses and machinery; marketing; forms of tenure and leases; ways of starting farming; use of capital and credit; choosing and buying of farm; planning, organization and management of a farm.

2 hours Lect. *2 hours Lab.* *3 Credits*

4a—Advanced Farm Management Mr. Abell

A study of records, data, and other material, and of farms and regions visited, with discussions on methods of using farm management data, and the organization and management of farms visited. Prerequisite permission to register and Farm Management **2b.**

6 hours Lab. *3 Credits*

FORESTRY.

Mr. Moss.

4b Mr. Moss

This course is designed to give a general knowledge of the development and of the present forestry situation in the United States. Connecticut will be studied in detail. A short study of the economic trees of the United States, including logging and marketing will be made. The laboratory work will be handling of the farm wood lot, including estimating, improvement, harvesting and regeneration.

2 hours Lect. 3 hours Lab. *3½ Credits*

GENETICS.

Professor Sinnott.

3a—Introduction to Genetics Prof. Sinnott

A general introductory course, aiming to present a knowledgee of the laws of variation and inheritancee as a basis for the practical breeding of animals and plants. Attention is also briefly directed to human heredity and to eugenics.

2 hours Lect. 2 hours Lab. *3 Credits*

3c—Plant Breeding Prof. Sinnott

The theory and practice of plant breeding. Open only to those who are taking or have taken Genetics.

2 hours Lab. *1 Credit*

GEOLOGY.

Prof. Lamson.

2b—Elementary Geology

This course is a study of the elements of structural and historical geology. The most common rocks are studied both in the class room and in the field. A collection is made by the student. Special emphasis is placed upon the relation of rock formations to the soil, the effects of rivers and glaciers, and the evidence in the rocks of the history of animal and plant life.

4 hours Lect. *4 Credits*

HISTORY.

Professor Monteith.

3—Modern European History

After a general survey of the Old Regime, a careful study of the political revolution in modern Europe will be made from the outbreak of the French Revolution to the end of the Great War. American foreign policy as affecting the European situation and the Far East will be considered.

3 hours Lect. *6 Credits*

4—Constitutional History of the United States Prof. Monteith

A general study will be made of political institutions, as well as of social and industrial development, from colonial times, through the making of the nation after the Revolution and the triumph of nationalism in the Civil War, to the present time.

3 hours Lect. *6 Credits*

HOME ECONOMICS.

Prof. Sprague, Miss Rose, Miss Mason, Miss Barker.

1a—Elementary Cookery Miss Rose

This course teaches the principles underlying the preparation of different types of food; the processes of cooking; the use of utensils; the preparation and serving of economical meals.

2 hours Lect. 4 hours Lab. *4 Credits*

1b—Sewing Miss Mason

This course includes extensive practice in hand and machine sewing by direct application in making and repairing simple garments, and instruction in drafting and use of patterns with special reference to the needs of those who are to teach sewing.

2 hours Lect. 4 hours Lab. *4 Credits*

1c—Household Management Miss Barker

This course takes up the study of the house, including house planning with emphasis on convenience in arrangement of rooms and the use of labor, and time saving devices; and a study of the technique of the household processes, of cleaning tools and methods of cleaning, and of renovation and repair of house furnishings.

2 hours Lect. 2 hours Lab. *3 Credits*

2a—Textiles and Design Miss Mason

A course teaching the principles of design and color with especial emphasis on their application to problems of house furnishings, millinery and dressmaking, as well as a study of household textiles; their sources, manufacture, adulterations, identification and economic use.

2 hours Lect. 2 hours Lab. *3 Credits*

2b—Cookery Miss Rose

This course includes experimentation with recipes; practice in planning, preparing and serving meals to family groups; and the items of cost and time.

2 hours Lect. 4 hours Lab. *4 Credits*

2c—House Construction Miss Barker, Prof. Fitts

A study of the development of shelter, the principles of house construction, the selection of proper sites for building, and the installment of plumbing, heating and lighting systems. Also a study of furniture and interior decoration and of materials used in house furnishing.

2 hours Lect. *2 Credits*

3—Sewing (Dressmaking) Miss Mason

This course provides instruction in drafting, cutting, fitting and making waists, skirts and simple gowns and in the choice of materials from the standpoint of economy and beauty. Good design is emphasized.

2 hours Lect. 4 hours Lab. *8 Credits*

3a—Nutrition Miss Rose

This course presents the fundamental principles of human nutrition and their application to dietaries, with a study of the proper diet for adults, children and the sick, and with especial regard to economic and social conditions.

2 hours Lect. 2 hours Lab. *3 Credits*

3b—Practice House Miss Barker

A group lives in the Practice House doing all the work of the house, including the planning of meals and the marketing, the preparation and serving of meals, the keeping of household accounts, the cleaning and care of the house, and the laundering. Lectures are given on the planning of daily schedules, household budgets and accounts, and the cost of living.

12 hours Lab. *6 Credits*

3e—Social and Industrial History

This course aims to give the necessary social and economic background for intelligent work in any of the specialized courses in economics and sociology. Special emphasis is placed on the effect of economic conditions on the type of society, and the institution of the family. Theses are required on a social or industrial problem which has arisen from the Industrial Revolution. The course consists of lecture work, class reports, and assigned readings.

3 hours Lect. *3 Credits*

4a—Millinery Miss Mason

This course includes practice in making and covering frames and in the preparation of trimmings.

1 hour Lect. 4 hours Lab. *3 Credits*

4c—Marketing Prof. Smith

This course presents the problems of retail and community markets from the standpoint of the head of the household.

1 hour Lect. *1 Credit*

4e—Home Nursing Miss Driscoll

This course provides instruction in the treatment of emergencies and in simple methods of caring for the sick, for infants and young children.

1 hour Lect. 2 hours Lab. *2 Credits*

4b—Apprentice Teaching Prof. Sprague and Staff

The last half year is spent in apprentice teaching in the public schools of the state. Regular reports are sent in to the Department and the work of the student closely supervised.

15 Credits

HORTICULTURE

Prof. Stevens, Prof. Hollister, Mr. Frazer.

1a—Introduction to Horticulture Prof. Stevens

A course dealing with the development of horticulture, its importance as a business, various horticultural districts, foundations of horticulture, horticultural workers. The principles of plant growth and reproduction, and the fundamental principles of control form an important part of the course.

2 hours Lect. 2 hours Lab. *3 Credits*

1d—Home Gardening Prof. Stevens

A brief course for Home Economics students only. Lectures and practice in home gardening. Comes the last six weeks of the semester.

2 hours Lect. 2 hours Lab. *1 Credit*

2—Vegetable Gardening and Small Fruits Prof. Stevens

This course consists of a study of soils, climate, locations, and sites as related to the prodution of these crops. It is also a study of plant growth, conditions and plant nutrition as applied to the production of fruits and vegetables on a commercial scale. Seed, seed growing, seed testing, and the harvesting, marketing and storage of these crops have due consideration. Methods of marketing, management of labor, diseases and insects of fruit and vegetable crops are considered. Prerequisite, Horticulture 1a.

3 hours Lect. 2 hours Lab. *8 Credits*

3a—Practical Pomology Prof. Hollister

A course designed to give a general knowledge of fruit growing, studied under the following heads: Selection of orchard sites and soils; propagation of young trees; laying out, planting and care of young orchards; pruning, fertilization and cultivation of orchards; harvesting and handling the fruit crop. One outside trip will be required.

2 hours Lect. 4 hours Lab. *4 Credits*

3b—Stone Fruits and Grapes Prof. Hollister

This course completes the work outlined in Course 3a and also takes up some work which can be carried on only in the spring. One outside trip required. Prerequisite, Horticulture 3a.

1 hour Lect. 2 hours Lab. *2 Credits*

3d—Orchard Spraying Prof. Hollister

A study of the more common spray materials and methods of preparation; the different types of spray pumps, nozzles and other equipment. When the weather permits the laboratory work will be in the orchard where instruction will be given by actually doing the work. Individual work in spraying will be arranged outside the regular laboratory periods.

1 hour Lect. 2 hours Lab. *2 Credits*

3f—Floriculture and Greenhouse Management Mr. Frazer

A practical study of the florist's problems, such as location, types of houses, materials of construction, cost and maintenance, heating, ventilating, preparation of soils for greenhouse crops, propagating, potting and shifting plants, watering, fumigation, etc. The laboratory work consists of practical training in the greenhouse and gardens. A trip to commercial establishments will be required of the class.

2 hours Lect. 2 hours Lab. *3 Credits*

4—Vegetables Under Glass—Advanced Course Prof. Stevens

A study of the production of vegetables under glass for commercial purposes, dealing in practice with lettuce, cucumbers, tomatoes, and other vegetables commonly grown out of season in this latitude. The adaptation of houses to economial production through proper heating, ventilating, watering, preparation of soils and the like will receive full consideration. Hours to be arranged with the instructor. Credits to be arranged with Secretary. Open to a limited number of students.

4a—Conservation Horticulture Prof. Stevens

Offered in 1919-1920 and alternate years.

A course designed to teach the conservation of horticultural products by reducing unsalable products to forms which will be used by every householder, fruit juices, evaporarted fruits and vegetables, designed to teach more economy in transportation and storage, especially that which is in present demand, that of getting food to millions far away in the smallest possible bulk. Open to only a few students who desire to work along these special lines.

3 hours Lab. *1½ Credits*

4b—Advanced Pomology Prof. Hollister

This course considers the commercial aspect of fruit growing, and a study of the requirements of large orchards will receive attention, arrangements of the orchards, tools required, use of power machinery, securing of supplies, handling the labor; packing, and marketing the fruit; storage houses. One trip is required. Prerequisite, Hortiulture **3a** and **3b.**

2 hours Lect. 2 hours Lab. *3 Credits*

4c—Systematic Pomology Prof. Hollister

This coursee is a detailed study of varieties under the following heads: Description, nomenclature and classification; fruit scoring and use of the score card; fruit judging; selection of exhibition fruit and arrangement of exhibits. Prerequisite, Horticulture **3a** and **3d.**

1 hour Lect. 2 hours Lab. *2 Credits*

4d—Landscape Gardening Mr. Frazer

The course deals with the laying out of grounds, the grouping and planting of shrubs and trees, the making of plans for small places, the treatment of walks and drives, the use of flower borders and of bedding plants, and the improvement of grounds already grown up. The requirements of country estates and of home gardens are particularly considered. Prerequisite, Horticulture **1a, 1b,** or **3f.**

2 hours Lect. 3 hours Lab. *3½ Credits*

4e—Commercial Floriculture Mr. Fraser

The course deals with the growing of plants and cut flowers for wholesale and retail markets, scoring and judging flowers and plants, design making, table decoration, and the use of cut flowers and plants in decorative work.

2 hours Lect. 2 hours Lab. *3 Credits*

JOURNALISM.

3—News Writing Mr. Stemmons

Open to all students, men and women, who are genuinely interested in journalism or publicity work. A study of the fundamentals of newspaper and magazine writing. Practice work will consist of writing for publication in farm, home, or trade journals, newspapers of the state, or the "Campus."

2 hours Lect. *4 Credits*

MATHEMATICS.

Professor Wheeler.

1—Advanced Algebra, Trigonometry, Solid Geometry Prof. Wheeler

The course is based on Kenyon and Lovitt's Mathematics for Agriculture and Science. Advanced Algebra will include binomial expansion, progressions, permutations, combinations, probability, correlation, empirical equations, annuities and the law of compound interest. Plane Trigonometry includes the solution of right and of oblique trangles, and the proof of all formulas used. Twenty individual problems must be solved by each student. Solid Geometry will be introduced by practice in drawing lines, planes, and combinations of these, to represent models illustrating the problems.

3 hours Lect. *6 Credits*

2a—Analytic Geometry Prof. Wheeler

This course will include loci and their equations; the straight line, the circle, the polar system, the parobola, the ellipse, and the hyperbola. Much practice will be given in graphic representationn of equations and in deriving equations from plotted values.

3 hours Lect. *3 Credits*

2b—Differential Calculus Prof. Wheeler

This course will include functions, differentiation, expansion of functions, indeterminate forms, representation of various curves, directions of curves, maxima and minima, evolutes and involutes.

3 hours Lect. *3 Credits*

3a—Integral Calculus Prof. Wheeler

Elementary forms of integration, trigonometric integrals, application of integration to plane curves to find areas enclosed, length of curve, etc., and successive integration will be studied in this course.

3 hours Lect. *3 Credits*

3b—Graphic Computation Prof. Wheeler

This course will cover the theory and give practice in the construction of charts of engineering formulas. By these a mechanical computation is made. Some of the topics are charts on retangular co-ordinates, alignment charts, proportional charts, and empiral equations.

2 hours Lect. *2 Credits*

3c—Plane Surveying Prof. Wheeler

A course in elementary surveying, including field practice with compass, level, and transit, and office practice in mapping and computatoon. Text books: Tracy's Plane Surveying and Tracy's Exercises in Surveying.

1 hour Lect. 3 hours Lab. *2½ Credits*

3f—Factory Management Prof. Wheeler

This course will consist of bookkeeping practice, including the voucher system, cost accounting, and a study of scientific factory management.

1 hour Lect. 2 hours Lab. *2 Credits*

MECHANICAL ENGINEERING.

Prof. Fitts, Prof. Wheeler.

1—Mechanical Drawing Prof. Fitts

In this course the use of the drawing board, T square and triangles will be explained and demonstrated. The course will include the following exerises: Drawing straight lines, cross hatching, geometrical problems, inking, shading, projection of points, lines, planes, and solids, curves, shadows, and perspective, tracing and blue-printing.

2 hours Lab. *2 Credits*

1a—Building Problems Prof. Fitts

Technical use of the steel square in building construction, making bills of materials, and working of various problems encountered in building construction.

2 hours Lab. *1 Credit*

1b—Wood Turning Prof. Fitts

Exercises in wood turning, including work between centers, face plating, chucking, finishing and polishing.

2 hours Lab. *1 Credit*

2—Machine Drawing and Descriptive Geometry Prof. Fitts

A continuation of Mechanical Engineering 1 and including the detail and assembly drawing of various machines; making original drawings; floor plans of buildings; exercises in the solution of geometrical problems by orthographic projection.

4 hours Lab. *4 Credits*

2a—Pattern Making and Foundry Prof. Fitts

This course includes the making of simple patterns and core boxes, with instruction concerning draft, finish, shrinkage and woods, and it is concluded by the molding and casting of the patterns made. The casting will be done in soft metal.

4 hours Lab. *2 Credits*

2b—Machine Joinery Prof. Fitts

In this course various articles of furniture and other appliances will be made on the wood-working machines. Bench work will be eliminated as far as possible. Factory methods of quantity production will be explained and demonstrated.

4 hours Lab. *2 Credits*

2c—Direct Currents Prof. Fitts

This course is a study of direct currents as furnished by dynamos and cells and their application for commercial use.

3 hours Lect. *3 Credits*

2d—Alternating Currents Prof. Fitts

Alternating currents, their transmission, transformers and their application for commercial use as compared with direct currents, will be studied in this course.

3 hours Lect. *3 Credits*

3—Machine Shop Practice Prof. Fitts

This course includes general care of shop and machines, and centering, boring, turning, chucking, thread cutting, taper turning and face plate work on the engine lathe, combined with bench work and exercise on the shaper, drill and other machines.

3 hours Lab. *3 Credits*

3a—Machine Elements Prof. Fitts

Drawing various mechanical problems in the use of belts, gears, levers, and other machine parts.

3 hours Lab. *1½ Credits*

3b—Forging Prof. Fitts

The exercises consist of the drawing, welding and bending of iron, the forging, filing and tempering of steel and the making of machine tools.

4 hours Lab. *2 Credits*

3d—Applied Mechanics Mr. ————

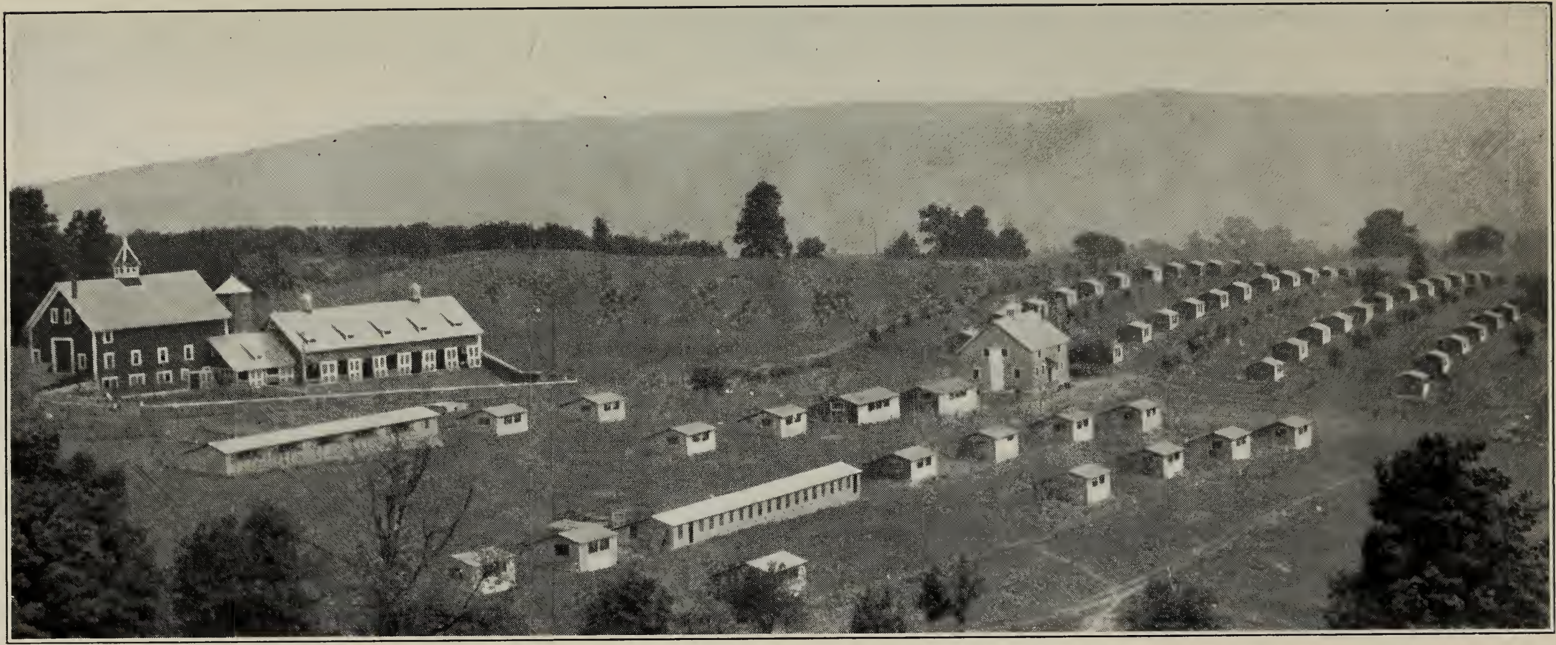
This course will include horse-power, energy, forces acting at a point, center of gravity, friction, uniform acceleration and practical problems.

3 hours Lect. *3 Credits*

4—Power Plants Prof. Wheeler

This course will include the study of elementary steam power plants, fuel, and combustion, boilers, stokers, superheaters, chimneys, draft, steam engines, condensers, separators, pumps, and other apparatus.

3 hours Lect. 2 hours Lab. *8 Credits*



NEW POULTRY PLANT

4a—Automobile Mechanics Prof. Fitts

A study of the mechanics of the automobile, including fuel, oil, moisture, carbon and the adaptability of the various parts to constantly changing conditions.

2 hours Lect. 4 hours Lab. *4 Credits*

4b—Materials of Engineering Prof. Wheeler

This course will be a study of the sources, manufacture and properties of important materials used in engineering; the mixing and testing of cements and concretes.

2 hours Lect. 2 hours Lab. *3 Credits*

4c—Hydraulics Prof. Wheeler

This course is a study of flow and discharge of streams, pipes and sewers, and of hydraulic plants for power.

1 hour Lect. 2 hours Lab. *2 Credits*

4d—Internal Combustion Engines Mr. ————

A study of the principals and designs of the two and four-cycle engines; the estimating of horse power; gas producers; Diesel and aero-engines.

2 hours Lect. *2 Credits*

4e—Thermodynamics Prof. Wheeler

Thermodynamics include a study of the properties of gases, saturated and superheated vapors, especially of air and steam, of the flow of fluids through orifices, nozzles, and pipes, and of the various cycles of hot air engines, internal combustion and steam engines, of the turbine, the air compressor, and of refrigeration systems.

2 hours Lect. 2 hours Lab. *3 Credits*

4g—Machine Design Mr. ————

The original design of a commercial machine, complete specifications, drawings, tracings and blue-prints.

6 hours Lab. *3 Credits*

MILITARY SCIENCE.

Capt. C. E. Cranston, U. S. A., Lieut. W. C. Briggs, U. S. A.

1—Drill, target practice, care of rifle and equipment. Lectures on military organization, service of security and personal hygiene. Required of all male freshmen.

3 hours Lab. *3 Credits*

2—Drill, bayonet combat, intrenchments, range and gallery practice. Lectures on military policy of the United States, military obligations of citizenship, infantry drill regulations. Required of all male sophomores.

3 hours Lab. *3 Credits*

3—Drill, semaphore and flag signalling, military sketching. Lectures on marches and camps, field orders and map maneuvers. Required of all male juniors.

3 hours Lab. *3 Credits*

4—Drill, signalling, sketching, tactical problems. Lectures on military law and courts martial. Required of all male seniors.

3 hours Lab. *3 Credits*

3a and 3b—R. O. T. C.

Advanced work as prescribed by the War Department. Elective.

2 hours Lect. *4 Credits*

4a and 4b—R. O. T. C.

Advanced work as prescribed by the War Department. Elective.

2 hours Lect. *4 Credits*

MODERN LANGUAGES.

Miss Whitney, Mr. Croteau.

French

1—Elementary French Mr. Croteau

First lessons, reading and composition. Correct pronunciation and conversation.

3 hours Lect. *6 Credits*

2—Intermediate French Mr. Croteau

A more advanced course in grammar and composition. Reading of French masterpieces and scientific texts. Special emphasis upon conversation.

3 hours Lect. *6 Credits*

3—Advanced French and French Literature Mr. Croteau

A study of historical French grammar and idiomatic expressions. Also a general course in French literature. Conversation.

3 hours Lect. *6 Credits*

German

1—Elementary German Miss Whitney

A course in the reading of elementary German with grammar and composition work.

3 hours Lect. *6 Credits*

2—Intermediate German Miss Whitney

Reading from carefully graded scientific readers with gradual advance to more difficult material. Practice in word formation and the gaining of a simple scientific vocabulary.

3 hours Lect. *6 Credits*

Spanish

1—Elementary Spanish Mr. Croteau

A practical study of the essentials of the language. Reading, composition and conversation, commercial vocabulary and business letter writing.

3 hours Lect. *6 Credits*

2—Intermediate Spanish Mr. Croteau

A further study of grammar, reading of masterpieces of Spanish literature. Composition and conversation.

3 hours Lect. *6 Credits*

PHYSICAL EDUCATION.

Prof. Guyer.

1. Gymnasium and Athletics Prof. Guyer

In the autumn this course will be outdoor work consisting chiefly of track, soccer and the rudiments of Rugby. In winter indoor work will consist of group games, free hand calisthenics, drills with wands, dumb bells and clubs and simple exercises on heavy apparatus. In the spring outdoor work consisting of track, tennis and baseball will be resumed.

2 hours Lab. *1 Credit*

2. Gymnasium and Athletics Prof. Guyer

This is an elective course that continues the work of physical education 1. Inside work will consist of calisthenics with particular stress on accuracy, also work and "stunts" on heavy apparatus. If groups are sufficiently large outdoor work will be made a part of the course.

2 hours Lab. *1 Credit*

3.—Advanced Physical Education Prof. Guyer

The purpose of advanced work in physical education is to prepare men for athletic leadership. The course is especially recommended for those who intend to enter extension work. It will consist of (a) memorizing calisthenic drills, (b) practice in leading drills, (c) work for skill on heavy apparatus, (d) opportunity to lead freshman groups, and (e) game and sport leadership.

2 hours Lab. *1 Credit*

1a and 1b. Gymnasium and Sports for Women Prof. Guyer

Calisthenics, folk dancing, group games and light work on the appartus partly comprise this course. Outdoor work includes walking, tennis, etc. Required of first year women.

2 hours Lab. *1 Credit*

2a and 2b—Athletics for Women Prof. Guyer

This is a combination of courses **1a** and **1b** and is required of second year women.

2 hours Lab. *1 Credit*

PHYSICS.

Professor Wheeler

2a—Mechanics and Heat Prof. Wheeler

This course aims to familiarize the student with the principles underlying machines of every sort, power in its manifold applications, and inventions. Mechanics, heat, and the elements of electricity will be treated during the first semester.

2 hours Lect. 2 hours Lab. *3 Credits*

2b—Electricity, Sound, Light Prof. Wheeler

A continuation of Physics **2a.** In this course a more intensive study of electricity will be made, and the elements of sound and light studied.

2 hours Lect. 2 hours Lab. *3 Credits*

2—Household Physics Prof. Wheeler

An elementary course in the general principles of mechanics, heat, and electricity with laboratory work in the application of these principles to household appliances.

2 hours Lect. 2 hours Lab. *6 Credits*

POULTRY HUSBANDRY

Prof. Kirkpatrick, Mr. Warner

1a—Poultry Culture Mr. Warner

This course includes the following topics: The poultry industry; the poultry farm, buildings and equipment; breeds of domestic fowls, including water fowls and pigeons; principles of breeding; selection of stock; preparation for market, including killing and dressing; poultry parasites and diseases.

2 hours Lect. 2 hours Lab. *3 Credits*

1b—Poultry Culture Mr. Warner

A repetition of **P. H. 1a.**

2 hours Lect. 2 hours Lab. *3 Credits*

1d—Home Poultry Culture Mr. Warner

In this course the time will be devoted chiefly to a study of poultry and its products, rather than the production of poultry. Some of the topics included are usefulness of the different breeds, selection of stock, preparation for market, dressing and trussing, handling and candling of eggs, methods of preservation, market classification, etc. Second six weeks of semester.

2 hours Lect. 2 hours Lab. 1 Credit

2a—Poultry Production Mr. Warner

This course is a continuation and elaboration of courses **1a** and **1b**, one of which is prerequisite. It is designed for the purpose of bringing the student into closer touch with those essential details that make for success in the business of keeping hens. A part of the semester's work will be devoted to a study of show types of the various breeds and varieties as classified and arranged in the American Standard of Perfection.

2 hours Lect. 3 hours Lab. 3½ Credits

2b—Pathology Prof. Kirkpatrick

This course will be devoted almost exclusively to discussions of the more important poultry diseases. The laboratory period will consist largely of diagnosing, prescribing and treating individual and flock cases.

2 hours Lect. 2 hours Lab. 3 Credits

3a—Commercial Poultry Keeping Prof. Kirkpatrick

This course will deal principally with the laying out of large plants; the handling and management of commercial flocks; styles of houses, kinds of brooders, and other poultry appliances suitable for such enterprises; advertising; capital required, probable losses, causes of failure, etc.

2 hours Lect. 3 hours Lab. 3½ Credits

3b—Poultry Husbandry Mr. Warner

Special emphasis will be laid on the designing and construction of poultry houses. Practice work in incubation and brooding will be required. Students who contemplate electing this course should note that some of the practice work, particularly that in connection with incubation and brooding, cannot be scheduled in regular laboratory periods. Special hours must be arranged, since the nature of work will require the student's daily attention.

2 hours Lect. 3 hours Lab. *3½ Credits*

4a—Seminar and Judging Prof. Kirkpatrick and Staff

The lecture period will be devoted to a more or less informal discussion of recent poultry investigations. Every student will be required to prepare and present a paper on some special topic, to review bulletins and discuss general problems which from time to time may confront the department. The laboratory period will be used largely for advanced work in the preparation and judging of show room types.

1 hour Lect. 2 hours Lab. *2 Credits*

4b—Thesis Prof. Kirkpatrick

This course involves the writing of a thesis prepared from data collected by the student or from other available but unreported records.

2 hours Lect. 3 hours Lab. *3½ Credits*

VETERINARY SCIENCE

Dr. Dow

4a—Veterinary Science Dr. Dow

A general description of the skeleton; structure and function of the respiratory organs; the digestive and urinary systems of the different domestic animals; the heart and blood vessels.

General Pathology—Inflammation, its cause and changes; abscess formation, fevers, blood poisoning, etc.

Therapeutics—Description of the common drugs, their therapeutic action and uses in disease; the various disinfectants and parasitic destroyers.

Disease and Treatment—Hygiene and general care of sick animal; causes and symptoms of most common diseases of animals with treatment that can be given by the herdsman; how they can be prevented; description of the contagious; infectious and parasitic diseases that affect domestic animals; their symptoms, how communicated and how prevented; the common cases of poisoning in cattle and sheep; diseases incident to breeding, obstetrics, and diseases of young animals. This course will also include the general principles of surgery, treatment of wounds and injuries.

2 hours Lect. *2 Credits*

4b—Veterinary Obstetrics Dr. Dow

A treatment of the subject of veterinary obstetrics with special reference to breeding, pregnancy, parturition and the related diseases.

2 hours Lect. *2 Credits*

ZOOLOGY AND ENTOMOLOGY.

Prof. Lamson, Mr. Manter

1a—General Zoology Prof. Lamson, Mr. Manter

This course is a study of the most important phases of animal physiology, morphology, embryology and parasitology. Special emphasis is placed upon those animals of economic importance.

2 hours Lect. 2 hours Lab. *4 Credits*

2a—Elementary Entomology Prof. Lamson

This course deals with the study of the elements of insect structure, development and classification, and the essentials regarding the most important economic insects attacking garden, orchard and forest products. Insects are studied in reference to their relation to plants, their methods of attack, the amount of injury they cause, their relation to man, and their relation to other animals. Field work is given in this course.

2 hours Lect. 4 hours Lab. *4 Credits*

2b—Economic Entomology Mr. Manter

This course will be a study of the most important insect pests, especially those of the orchard, garden, field, and forest. The life histories and habits will be studied in detail in an effort to give a basis for the better appreciation of the control methods recommended. The aim of the laboratory and field work will be to train the student to detect insect injury and to identify the species at work. Urerequisite, Entomology **2a.**

2 hours Lect. 2 hours Lab. *3 Credits*

3a—Insect Morphology and Physiology Mr. Manter

This course will be a study of insect structures and functions. Prerequisite, Entomology **2a.**

2 hours Lect. 2 hours Lab. *3 Credits*

3b—Systematic Entomology Mr. Manter

A continuation of entomology **3a**, including taxonomy, methods of and practice in collecting, preparing and preserving insects, together with insectary methods. Prerequisite, Entomology **3a.**

2 hours Lect. 2 hours Lab. *3 Credits*

3c—Physiology of Nutrition and Hygiene Prof. Lamson

A course treating of the elements of anatomy, physiology and hygiene of the human body, with special emphasis upon the physiology of digestion and the prevention of diseases. For students in Home Economics only.

4 hours Lect. *4 Credits*

3d—Parasitology Prof. Lamson

Offered in 1919-1920 and alternate years.

A study of the external and internal parasites of man and the domestic animals. This course treats of their identification, structure, life history, and prevention. Prerequisite, Zoology **1a.**

1 hour Lect. 2 hours Lab. *2 Credits*

4—Advanced Economic Entomology Mr. Manter

This course is intended for those who wish to give special study to this subject, either to supplement their work in agriculture or science, or to furnish a preparation for future entomological work. Among the subjects considered will be the following: Insect behavior, ecology, photography, literature, natural enemies, insecticides and insect control. Each student will be assigned a special problem so that he may have practicee in experimental and investigational methods. Prerequisite, Entomology **2b** and **3b**, and permission of the head of the Department.

2 hours Lect. 4 hovrs Lab. *8 Credits*

TWO-YEAR COURSE IN AGRICULTURE.

The aim of the two-year course is to train young men for farming and positions as farm superintendents. Instruction is confined largely to agriculture and closely allied subjects, although English and other cultural subjects are given an important place. The course is not a substitute for the High School but is designed for those who wish agricultural training, but cannot meet the entrance requirements for the four year courses. It is especially adapted for men who have had farm experience.

Admission.

Applicants must be at least sixteen years of age and present credentials showing completion of the grammar school or its equivalent.

Diploma.

For the successful completion of the course, a diploma is given, stating that the recipient has completed the Two-Year Course in Agriculture.

Fees and Expenses.

Annual fees and other expenses are the same as for four-year students as described elsewhere. There is no tuition.

Farm Practice.

No student shall receive the diploma until he shall have presented evidence of having spent at least three months in actual farm practice.

Military Training.

Students in the two-year course are subject to the same requirments as male students enrolled in the four-year courses.

Rules and Regulations.

Students in the two-year course conform to the same rules regarding attendance, registration and scholastic standing as students in the four-year courses.

COURSE OF STUDY.

FIRST SEMESTER.

Courses	Credit Units
An. Hus. 101*a*—Breeds of Live Stock	3
Ag. Eng. 101*a*—Carpentry	1½
D. H. 101*a*—Farm Dairying	3
English 101—Rhetoric & Comp.	3
Hort. 101*a*—Fruit Growing	3
P. H. 101*a*—Poultry ulture	3
P. E. 1—Gym. & Sports	1
Mil. Sci. 1—Military Drill	1½

SECOND SEMESTER.

Courses	Credit Units
Agron. 101*b*—Soils	3
Agron. 101*d*—Field Crops	3
Ag. Eng. 101*d*—Farm Mach.	3
Ag. Eng. 101*b*—Forging	1½
English 101—Rhetoric & Comp.	3
Hort. 101*b*—Veg. Garden	3
P. E. 1—Gymnasium & Sports	1
Mil. Sci. 1—Military Drill	1½

SECOND YEAR.

FIRST SEMESTER.

Courses	Credit Units
Bot. 102*a*—Agr. Botany	4
Chem. 102*a*—Agr. Chem.	4
D. H. 102*a*—Animal Feeding	3
Eng. 102*a*—Public Speaking	2
F. Mgt. 102*a*—Farm M'gm't	3
Vet. Sci. 102*a*—Vet. Science	2
Mil. Sci. 2—Military Drill	1½

SECOND SEMESTER.

Courses	Credit Units
Ento. 102*b*—Farm Insects	3
For. 102*b*—Farm Woodlots	3½
Hist. 102*b*—Civics	3
Mil. Sci. 2—Military Drill	1½
Chose two	
Hort. 102*b*—Com. Orcharding	3
P. H. 102*b*—Poultry M'gem't	3
D. H. 102*b*—Market Dairying	3
D. H. 102*d*—Herd Management	4½

DEPARTMENTS OF INSTRUCTION.

Agronomy.

101d—Field Crop Production Prof. Abell

The growing and handling of corn, small grain, potatoes, tobacco and forage crops in New England. As much time is spent in the field as weather will permit.

1 hour Lect. 4 hours Lab. *3 Credits*

101b—Soil Management Prof. Slate

The management of soils in relation to crop production; tillage problems; drainage; the use of manures, fertilizers and lime.

2 hours Lect. 2 hours Lab. *3 Credits*

Agricultural Engineering.

101a—Carpentry Mr. Klinck

The use of carpenters' tools in bench work and building construction, the reading of working drawings and the estimation of bills of materials. General farm building and repair work.

3 hours Lab. *1½ Credits*

101b—Forging Prof. Fitts

The forging of iron and steel, including repair work common on the farm.

3 hours Lab. *1½ Credits*

101d—Farm Machinery Mr. Klinck

The use and repair of farm machinery and engines. A large number of machines and tools are available for practice work.

1 hour Lect. 4 hours Lab. *3 Credits*

Animal Husbandry.

101a—Types and Breeds Mr. Skinner

A study of types and breeeds of horses, cattle, sheep and swine, with special reference to their origin, history, development and characteristics. In laboratory a course in elementary judging is given. Text book—Harper's "Animal Husbandry for Schools."

2 hours Lect. 2 hours Lab. *3 Credits*

Botany.

102a Mr. Torrey

An elementary course in the structure, work and systematic classification of plants, with special reference to economic forms.

2 hours Lect. 4 hours Lab. *4 Credits*

Chemistry.

102a Prof. Hughes

This course is devoted to a careful study of the more important fundamental principles of inorganic chemistry and of the practical application of the science to the problems of the farm.

2 hours Lect. 4 hours Lab. *4 Credits*

Dairy Husbandry.

101a—Farm Dairying Prof. Fisher

A study of milk, its secretion, character, and composition; practice in testing milk with the Babcock test, the lactometer, and various acid tests; a study of hand power separators, their construction and method of running; practice in separating milk. Butter making, including methods of ripening cream, churning, washing, salting and packing butter; general principles of cheese making with practice in making a few kinds of soft cheese. Ice cream making.

2 hours Lect. 3 hours Lab. *3½ Credits*

102a—Animal Feeding Dairy Dept.

A study of the composition and digestibility of feeding stuffs; computing rations for farm animals, including horses, cattle, sheep and swine; methods of feeding and caring for farm animals.

3 hours Lect. *3 Credits*

102b—Market Dairying Prof. Fisher

This is a study of approved methods of producing and handling milk for direct consumption; requirements of city boards of health and states for sanitary milk; rules and methods of inspection of dairy plants and milk depots; production of certified milk.

3 hours Lect. *3 Credits*

102d—Dairy Herd Management Prof. White

A study of the origin, development and characteristics of the dairy breeds; methods of registration and requirements for advanced registry; selection, feeding and handling of the dairy calf, the bull, the heifer and mature cow, and problems of herd management. In laboratory, practice is given in scoring cattle and comparative judging of animals.

3 hours Lect. 3 hours Lab. *4½ Credits*

English.

101—Rhetoric and Composition English Dept.

This course aims to develop good English usage. Special attention will be given to the practical application of the principles of composition.

3 hours Lect. *6 Credits*

102a—Public Speaking English Dept.

This course will be fundamental work in the use of voice and body. There will be practical application of principles in speaking.

2 hours Lect. *2 Credits*

Entomology

102b—Farm Insects Mr. Manter

This course in entomology deals in an elementary way with the anatomy, classification and behavior of insects. Special emphasis is laid upon the life histories and control measures of the most important insect pests. Field trips are taken to enable the student to study types of insect injury and the insects causing the damage. Thee aim of the course is to enable the student to fight intelligently the many insect enemies found upon every farm.

2 hours Lect. 2 hours Lab. *3 Credits*

Forestry.

102b—Farm Woodlot Mr. Moss

A study will be made of the farm woodlot, including life history of the economic tree species, valuation survey, afforestation of waste areas, protection, harvesting, value of woodlot, products, regeneration and wood preservation on the farm.

2 hours Lect. 3 hours Lab. *3½ Credits*

Farm Management.

102a—Farm Management Prof. Abell

A course dealing with farming as a business, studying the factors which determine the profitableness of the business by means of farm accounts, labor income records, etc., and combining these factors in the correct proportions for the organization and management of a farm.

2 hours Lect. 2 hours Lab. *3 Credits*

Horticulture.

101a—Fruit Growing Prof. Hollister.

A course in general fruit growing for the home farm rather than as a commercial proposition. Location and arrangement of the orchard, selection of varieties, laying out and planting the trees, care of the young orchard. Pruning, spraying, fertilizing and cultivation of orchards; harvesting and handling the crop. A brief study of sprays and spraying machinery.

2 hours Lect. 2 hours Lab. *3 Credits*

101b—Vegetable Gardening Prof. Stevens

This course includes the divisions and fundations of horticulture; propagation of plants by various methods, seed inspection and identification, and seed germination; location and planning of home gardens; planting, cultivation, harvesting, storing and marketing of the principal vegetable crops.

1 hour Lect. 4 hours Lab. *3 Credits*

102b—Commercial Fruit Growing Prof. Hollister

This course will consider orchard work on a larger basis than the previous course and will help fit men to handle larger propositions. Subjects which will be considered are, laying out large orchards, purchasing the trees, equipment required, returns from different fruits, use of fillers, storage houses, etc. Prerequisite Horticulture 101a.

2 hours Lect. 2 hours Lab. *3 Credits*

History.

102b—History and Civics Prof. Monteith

History of the United States with special reference to political, industrial and social institutions. Text: Thompson's "History of the United States" (Sanborn & Co.) with lectures on the Constitution.

3 hours Lect. *3 Credits*

Poultry Husbandry.

101b—Poultry Culture Mr. Warner

A study of the poultry industry, the poultry farm, the breeds of poultry, selection and breeding, parasites and diseases, killing and dressing and marketing.

2 hours Lect. 2 hours Lab. *3 Credits*

102b—Poultry Management Mr. Warner

The course continues and amplifies course 101b, which is prerequisite. It is designed to acquaint the student with the essential details of planning and managing commercial poultry plants.

2 hours Lect. 2 hours Lab. *3 Credits*

Veterinary Science.

102a—Veterinary Medicine and Practice **Dr. Dow**

Anatomy and physiology of the digestive and respiratory systems; special pathology; disease and treatment; a general study of the common diseases of domestic animals, with treatment that may be safely used by the herdsman; special diseases of the dairy cow and young calves; prevention and treatment of the common contagious and parasitic diseases; surgery, castration, dehorning, general care and treatment of wounds and injuries.

2 hours Lect. *2 Credits*

SUMMER TERM.

July 7th to August 15tth, 1919.

It is the policy of the college to keep the plant busy throughout the entire year and with this in mind, a summer term is offered, the content having varied in recent years with the demands concurrent with the war. For the year 1919, two courses are offered, one in agriculture and one in home economics.

Board.

The charge for board is based on a per capita cost of from six to seven dollars per week.

College Credits.

College credits will be given only to those meeting college entrance requirements. To obtain creedit, students must register for not less than four points nor more than six. Four of the points must be chosen from the six weeks' courses (I., II., III.)

Entrance Requirements.

The six weeks' courses are open to women over sixteen years of age who are graduates of a four-year High School or Normal School. The two weeks' courses are open to any men and women more than sixteen years of age.

Fees.

For attendance during the full period of six weeks, the fee is $20.00; for four weeks, $13.50; for two weeks, $7.00. This coveers room and laboratory charges. All payments must be made at time of registration.

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Supplies and Equipment.

Each student must bring towels, laboratory aprons, sheets and other bedding except mattress and pillow.

COURSES IN HOME ECONOMICS.

The summer courses are offered primarily for those now engaged in teaching Home Economics and who are anxious for further training or for those who are teaching other subjects, but wish to enter the field of Home Economics. Others will, of course, be welcome.

I. Sewing 6 weeks

This course presupposes a knowledge of plain sewing. The work is taken up from the teaching standpoint. It includes simple drafting, cutting, fitting and construction of garments.

3 hours Lect. 6 hours Lab. *2 Credits*

II. Cookery 6 weeks

This course is a study of food materials. It will include class discussions on the composition, food value, and methods of coking and serving as well as actual practice in the preparation of foods for the table.

3 hours Lect. 6 hours Lab. *2 Credits*

III. Household Management 6 weeks

This course includes the study of house-planning, emphasizing points which make the house comfortable and attractive and as easy as possible to care for; the care of the house, including a study of cleaning tools, chemicals and labor-saving devices; the renovation of furniture and furnishings; methods of work, the planning of daily schedules, and the study of incomes, household accounts and budgets.

3 hours Lect. 6 hours Lab. *2 Credits*

IV. Combination Courses 2 weeks each

These courses consist of (1) Home Gardening, (2) Home Dairying, (3) Bee Keeping, (4) Home Nursing, (5) Home Poultry Keeping and (6) School Lunches. The first two of these six courses will be given July 7th to July 18th, the middle two from July 21st to August 1st, and the last two from

August 4th to August 15th. Two weeks then will be devoted to each of these several courses. Students should select one subject from each of the three groups to make up one course and for this combination two credits will be given.

3 hours Lect. 6 hours Lab. (in each course) 2 Credits

AGRICULTURE.

In response to an anticipated demand, a special six weeks' course will be offered during the coming summer, designed especially for discharged soldiers who plan to begin farming. It is assumed that those taking the course will come with little or no farm experience and the work is planned to give the maximum of instruction and practice possible for so brief a course.

Outline of Course.

Three hours per day will be devoted to lectures and class room instruction. The balance of the day will be given over to practice work in the fields, barns and laboratories. The work will be given under the following heads:

1. Poultry.
2. Dairying.
3. Beekeeping.
4. Farm Crops.
5. Soil Management.
6. Live Stock Management.
7. Farm Machinery and Tools.
8. Fruit and Vegetable Growing.

All men are required to take the four subjects numbered 4 to 7 inclusive, which are considered general and fundamental. One or two subjects may be chosen from the remaining four.

Cost of Course.

There will be no fees for instruction. Room and board will be charged for at the rate of $7.50 to $8.00 per week. Each man will bring his own bedding and towels, but no mattress is requireed.

SHORT WINTER COURSES IN AGRICULTURE.

The short winter courses usually begin immediately after Christmas and continue for eight weeks. The work offered consists of short, intensive courses of two or four weeks each in Animal Husbandry, Apiculture, Dairy Husbandry, Horticulture and Poultry Husbandry.

The courses are open to all. There is no tuition and board and room are furnished at cost. A special announcement is issued in

October. For copies of this or for other information, address Secretary, Connecticut Agricultural College, Storrs, Conn.

JUNIOR SHORT COURSE.

From March 24th to March 28th, 1919, a Junior Short Course was offered to boys and girls. This course was divided into four sections consisting of garden, poultry, swine and home economics. included judging of live stock, garments and canned products. Organized play had a place on each day's program. This included bowling, basketball, play festivals and educational moving pictures. The majority of boys and girls who attended this short course were club members and came as a reward for the good work they had done at home. Seventeen of the total number had their expenses paid by the State Fair Association as prizes they had won as members of various judging and demonstration teams.

The enrollment by counties was as follows:

Fairfield County	3	New London County	7
Windham County	3	Middlesex County	8
Litchfield County	6	Tolland County	17
Hartford County	7	New Haven County	26
Total	77		

ATTENDANCE AT OTHER SHORT COURSES.

The last three issues of the college catalog, namely, Volumes XII., XIII. and XIV, have not recorded the attendance at highly specialized and unusual courses that were offered primarily because our country was at war, and some of which courses it does not now seem likely will be offered again. The summary below sets forth the number of students who attended these several courses, none of which have been previously recorded.

Volume XII.	Summer Canning Schools	396
Volume XIII.	Short Winter Courses	29
	Summer Canning Schools	183
Volume XIV.	Short Summer Course	42
	Short Winter Course	51
	Boys' Working Reserve	200
	Total	901

INFORMATION.

For further information concerning the summer courses, winter courses or other course described in this catalog, address the Secretary, Connecticut Agricultural College, Storrs, Conn.

STUDENTS ARMY TRAINING CORPS

Under the authority of an act of Congress authorizing the President to temporarily increase the military establishment of the United States, the War Department organized Students Army Training Corps at about 600 colleges, universities, professional, technical, and trade schools of the country. Under the Selective Service regulations these institutions received registrants who satisfied their entrance requirements, and who upon physical examination were found fit to perform full or limited military duty. Under the contracts,the War Department assumed the cost of quartering, subsistence, and instruction of the student soldiers. The quota agreed upon for the Connecticut Agricultural College was a unit of 400 men.

The primary purpose of the Students Army Training Corps was to effectively utilize the executive and teaching personnel and the physical equipment and organization of educational institutions to assist in the training of new armies. It was believed that these facilities would be especially useful for the training of officer-candidates and technical experts and administrators of all kinds to meet the needs of the service. Upon admission to the unit the registrant became a soldier of the United States, and as such was subject at all times to military law and military discipline.

From time to time in accordance with the needs of the service and the qualifications of the individual, the War Department announced that it would assign members of the Students Army Training Corps according to their rating in academic and military work as follows: (a) to a central officers' training school; (b) to a non-commissioned officers' school; (c) to the institution where they were enrolled for further intensive work in some specified line as, for instance, engineering, chemistry or medicine; (d) to a vocational training school for technical training of military value; (e) to a cantonment for duty with troops as a private.

The academic year was divided into three terms of three months each. Students twenty years of age were to receive three months' training; those nineteen years of age, six months' training; those eighteen years of age, nine months' training. The instruction was partly military, and partly in allied subjects that were considered of value as a means of training officers and experts to meet the needs of the service. The Committee on Education and Special Training acting for the War Department approved the following course of study embracing eleven hours per week of practical and theoretical military instruction and forty-two hours per week of recitations, lectures and laboratory instruction in allied subjects including the necessary time for preparation.

Total Hours of Instruction.

	20 yr. class	19 yr. class	18 yr. class
Military Instruction	132	264	396
War Issues & English	108	216	324
Military Law	108	108	108
Sanitation & Hygiene	108	144	144
Surveying & Mapmaking	144	144	144
Assigned reinforcement study...	366	...	...
Meteorology	...	108	108
French, German or Chemistry...	...	288	288
Descriptive Geometry & Drawing	...	...	144
Geography of Europe	...	...	108
Trigonometry & Logarithms ...	...	...	144
Total	966	1272	1908

The student-soldiers used the dormitories for barracks. The problem of messing increasing numbers of students was solved by the adoption of the cafeteria system of serving at the dining hall which was converted into mess quarters. Instruction in allied subjects was given by members of the faculty with the exception of the courses in Military French and Issues of the War. The six fraternities at the college suspended their activities for the duration of the war and leased their club rooms to the War Work Council of the Y. M. C. A.

As a result of wide publicity given to the establishment of the Students Army Training Corps, more than 500 applications were received for admission to the college. Those who applied after our quota of 400 had been filled were advised to enter other institutions. Prospective student soldiers were called on September 24th to 28th for physical examination and induction into the

S. A. T. C. On their arrival at Storrs it developed that the contract surgeon, Captain C. E. Simonds, who had been detailed as medical officer for the corps, was ill with influenza, and in consequence the young men were given their choice of remaining at the college and enlisting for military training in a voluntary company or returning home to report at a later date. Fifty-five elected to remain and were formed into a company, and given military drill. On account of the influenza epidemic that spread over the entire country, the second call for physical examination scheduled for October 8th, was cancelled on the advice of Dr. John T. Black, State Health Commissioner. The third call for physical examination was issued for October 21st to 24th. This delay in opening caused a number of applicants for admission to the Connecticut Agricultural College to enter other institutions, but in spite of these unfavorable circumstances, the college finally received 411 candidates. As can be noted from the summary given elsewhere, twenty-two young men under eighteen years of age were accepted for enrollment, thirty-eight were rejected as physically unfit, and seventy-three were accepted, but due to delinquency on the part of local boards failed of induction and were discharged as civilians by the presidential order that suspended induction on November 11, 1918. The remaining 278 were accepted and regularly inducted into the service.

Cessation of hostilities and signing of the armistice resulted in cancellation of contracts by the War Department and the issuing of an order to demobilize the Students' Army Training Corps and discharge the soldiers not later than December 21, 1918. After this the college resumed its regular courses of instruction beginning December 30th. Academic credit was allowed to all students who satisfactorily completed the first term of the courses prescribed for the Students Army Training Corps. Application was then made to the War Department to re-establish the Reserve Officers Training Corps. The War Department granted this request and detailed an officer to serve as commandant and Professor of Military Science.

The operation of the Students Army Training Corps was well conceived and if the war had continued the fundamental purpose of the Government in developing a body of young men capable of leadership as commissioned officers would have been realized.

Until the time of the armistice the students took a keen interest in both military and academic training. The physical condition and health of students were improved. There were no questions of absences or discipline with which the faculty had to deal. The simple and decorous forms of military courtesy adopted and made use of by the student soldiers were noticeable and pleasing. Athletics, social events, dormitory life, and fraternities temporarily disappeared, and the students very nearly approached 100 per cent. efficiency in the use of their time.

OFFICER PERSONNEL OF THE POST.

Lt. Col. William F. Flynn, Retd.	Commanding Officer
Capt. J. Harris Nesbitt, Inf.	Senior Tactical Instructor
Capt. Clarence E. Simonds, M. C.	Medical Officer
Lt. Raymond H. Goodale, Inf.	Personnel Adjutant
Lt. William J. Arner, Inf.	Company Commander
Lt. Douglas E. Brown, Inf.	Company Comamnder
Lt. Leonard T. Brown, Inf.	Small Arms Expert
Lt. Herbert R. Brown, Inf.	Quartermaster and Bayonet Expert

ENLISTED PERSONNEL.

Papers arrived too late for induction. (p)
Rejected as physically unfit. (r)
Under eighteen. (u)
Deceased. (*)

Abbe, Raymond C. (r)	Hazardville
Abeling, Raymond O.	Torrington
Ahlberg, Carl A.	Middletown
Alcott, George B.	Avon
Alexander, Chester F. (p)	East Hartford
Allen, Benjamin K.	Saybrook
Alling, Leon I.	Kensington
Arkin, Lewis N. (r)	Essex
Armstrong, Robert L.	New Milford
Ashman, Elmore G.	Guilford
Austin, Herbert P.	Hartford
Baeder, Edward W.	Torrington
Barnes, Charles F.	Mystic
Barnes, Walter P.	New Canaan
Barnett, Paul E.	New London

Barrett, Leighton, E. (p)	Waterford
Barry, Frank W.	Middletown
Barry, Richard E.	South Windsor
Bartman, Kenneth E.	Deep River
Bavier, Benjamin A.	Thomaston
Beach, Milton A.	West Suffield
Beardsley, Raymond S.	Stratford
Beausoleil, Charles D. (u)	New Haven
Beers, John F. (r)	Washington
Beisiegel, Herbert B.	Woodbridge
Bentley, Russell E.	East Hartford
Bernstein, Hyman H. (p)	Hartford
Bezanson, Ralph P. (p)	Bristol
Biddy, Francis T.	Glastonbury
Bigelow, William M.	Plantsville
Bigger, John H.	Bristol
Bishop, John P.	Bridgeport
Bishop, Mark	Cheshire
Blackmore, Arthur F.	Pomfret
Blevins, Earle D.	Hartford
Boas, Henry H. D.	Grantwood, N. J.
Bogardus, Paul H. (p)	Torrington
Booth, J. H. (p)	Stratford
Borden, Robert H.	Shelton
Boulanger, Francis A. (r)	Hartford
Bradt, DeLancey R.	Clinton
Bray, Edgar R.	Torrington
Brennan, Daniel J.	Pine Meadow
Brewer, John H. (p)	Norwich
Bridges, Harold B.	Westboro, Mass.
Brockett, Warren E.	Clintonville
Brooks, Ernest (u)	Plantsville
Brow, Benjamin H.	Providence, R. I.
Browne, Donald C.	Waterbury
Brundage, Frank T. (p)	Litchfield
Brundage, Harold A.	New Haven
Burke, James D. (u)	South Manchester
Burrington, Warren D.	Worcester, Mass.
Burrows, Ray Y.	New London
Byrnes, James J.	Pomfret

Cadwell, Harold C.	Hartford
Calechman, Henry (u)	New Haven
Camp, Percy A.	Durham
Canfield, Wesley W. (p)	Newington
Capelaro, Orano J.	Danbury

Caron, Leo	New Haven
Carpenter, Ernest E. (r)	Bloomfield
Carrier, Frederick H.	Manchester
Carrier, Raymond C.	Manchester
Carroll, John F.	Middletown
Cassel, Lawrence W.	Bridgeport
Catlin, Frederick A. (p)	New Haven
Cerveny, Stanley M.	Mansfield Center
Chaffee, Ralph G.	Somers
Chapman, Burton H. (u)	Ivoryton
Chapman, Harold R.	Hartford
Chapman, Webster C.	Hartford
Clark, Merrill W.	North Granby
Cohen, Edward W.	New Haven
Cohen, Nathan (p)	New Haven
Cone, Harold M. (r)	Bristol
Converse, J. Kingsley (p)	Stafford Springs
Corbally, William H.	Bridgeport
Corey, William B.	New Milford
Cox, Thomas F.	New Haven
Cram, C. Edward (u)	Hartford
Crane, William B. (p)	Mansfield Center
Cregan, Robert H.	New Haven
Crichton, Peter A.	Greenwich
Cullen, Julius A.	New London
Cummings, Horace C.	Glastonbury
Cummings, Myron C. (p)	Tompkinsville, N. Y.
Cundall, Edward W.	Danielson
Curran, James E.	Willimantic
Curtis, Donald G. (p)	Winsted
Cutler, Israel (r)	New Haven

Daly, Maurice F. (u)	Hartford
Davis, Harold C. (r)	Waterbury
Dean, Philip F.	Glastonbury
Denison, Lloyd W.	New London
Dewell, Dudley P.	Plymouth
Diana, Henry F. (p)	Hartford
Dickinson, C. Wesley (r)	Kensington
Dixon, Homer W.	Danielson
Dolan, Harold V. (r)	New Britain
Donn, Harry A. (p)	Hartford
Douglas, William C.	Glastonbury
Downs, Morris S.	Danbury
Doyle, Moses W. (p)	Torrington
Dudek, Andrew J.	Deep River

Duffy, Harry J.	Middletown
Dunn, Mark F. (p)	New Haven
Dwyer, David J. (p)	Short Beach

Eastwood, William M., Jr.	Norwich
Eaton, Austin C.	Auburndale, Mass.
Elcock, Thomas A. (u)	New Britain
Elwell, Donald (u)	Madison
Evans, Douglas A.	Danbury

Fairbank, Philip C.	Saybrook
Faulkner, Lionel E. (u)	Andover
Fay, William S.	Bridgeport
Feinblum, William	Hartford
Ferriss, Charles H.	New Milford
Fienemann, Henry W.	Farmington
Fifoot, Arthur S.	Hartford
Finney, William E.	Woodbridge
Fitch, James J.	Rockville
Flanagan, Thomas E. (r)	Middletown
Flynn, William T.	Hartford
Foley, Stanton A.	Southampton
Foote, Harold H.	Willimantic
Foote, LeRoy W. (p)	Middlebury
French, Henry E., Jr. (u)	Farmington

Gaghan, Robert J.	Hartford
Gallup, John F.	New London
Gardner, Theodore R.	Tolland
Gates, Donald W.	East Hampton
Geer, Erskine* (p)	Hadlyme
Geer, Leslie	Hadlyme
Giles, Wallace E.	New Britain
Gillespie, Edward L.	Bridgeport
Gittleman, Benjamin	Jewett City
Goggin, Frederick J. (u)	East Canaan
Goldberg, Louis	Hartford
Goldsmith, Albert H. (p)	Norwich
Goldsmith, Watson O.	Guilford
Goodrich, James S.	Wethersfield
Gordon, Edwin V. (u)	South Manchester
Goslee, Sherman H.	South Manchester
Gotberg, Charles E.	South Manchester
Graf, William I.	Stamford
Granniss, Edward R.	New Haven
Gray, Charles E.	North Stonington

Green, Ralph D.	Eastford
Greenberg, Edward A.	Hartford
Greenberg, George J. (p)	New Haven
Greenleaf, Charles S. (p)	Newburgh, N. Y.
Gross, Abel A.	New Britain
Guite, Clifford B. (r)	New Britain
Gustafson, G. F. (p)	West Hartford

Hackett, James J. (r)	Naugatuck
Hale, Henry G. (p)	East Hartford
Halsted, William B.	Torrington
Hanley, Walter J. (p)	Terryville
Hanley, Walter S.	Terryville
Harrington, Joseph T.	New London
Harris, Donald W.	Deep River
Harrison, David B. (r)	South Manchester
Harrison, Leland W.	North Branford
Hart, Arnold R.	Stratford
Hart, Vincent G.	New Britain
Hartwell, Chalmers M. (r)	Watertown
Harvey, John B.	Willimantic
Hatch, Raymond G.	West Hartford
Hathaway, Raymond E.	South Manchester
Hatheway, Stewart S. (p)	Hartford
Hawley, Robert F.	Hartford
Hawley, Franklin W. (u)	Brookfield
Heald, Hobart A. (p)	New Milford
Healy, John S.	Willimantic
Heath, Raymond W.	Hartford
Heiman, David	Unionville
Hellstein, Theodore J.	New Britain
Hemmeler, Francis A.	New Haven
Henaghan, William J.	Hartford
Hershatter, Abraham S.	Colchester
Hills, Howard L.	New Britain
Hilton, William J. (p)	Hartford
Himes, Norman E.	Norwich
Hirsh, Donald J. (p)	New York City
Holmes, William B. (p)	Glastonbury
Hopwood, James E., Jr.	Mystic
Horowitz, Abraham (p)	Hartford
Hosmer, Ellis C.	Torrington
Hosmer, Stanley W.	Torrington
Howard, Latham B. (p)	Hartford
Howes, Robert C.	Manchester
Hubaty, Frank (p)	Hartford

Hughes, Robert P. B.	Manchester
Hutchinson, Galen O.	Passaic, N. J.

Isaacson, Simeon A.	Winsted

Jacobs, Harold E.	Willimantic
Jagoe, Warren T.	Stratford
Jaynes, Harold A.	Orange
Johnson, Frank A.	Stafford Springs
Johnson, Hugo E.	New Britain
Johnson, John P.	Shelton
Johnson, Mervin T.	New Britain
Johnson, Richard E.	Middletown

Kallgren, Harry R.	New Britain
Kamens, Otto E.	Terryville
Keeler, Robert R.	Ridgefield
Kelleher, Joseph D.	New Haven
Kendall, Clarence H.	Hartford
Kennedy, James F.	Derby
Kennedy, Paul E. (r)	New Haven
Kenyon, Harold A. (p)	Scotland
Kibbe, Leon H.	New Haven
Kidney, Edmund J.	Hartford
Kiely, Dudley V. (r)	New Britain
King, John H.	Willimantic
Kiniry, John J.	New Britain
Klaui, Walter C.	New Haven
Kleban, Leon D.	Hartford
Kostolefsky, Samuel	Bridgeport
Kingston, Paul S.	Middletown
Kramer, Donald A.	Willimantic
Kuelling, John A. (p)	Brooklyn, N. Y.
Kuslansky, William	Stafford Springs
Kutner, Israel (r)	Meriden
Kutscher, Harry L.	New Britain
Kuykendall, Frank (r)	Bridgeport

Ladish, John E.	Stafford Springs
Larsen, Victor E.	Cromwell
Latimer, Walter N.	Torrington
Lawson, Donald H. (u)	Middle Haddam
Leary, Elmer G.	Windsor Locks
Leonard, George M. (r)	Pine Meadow
Levine, Louis (r)	Waterbury
Liftig, George	Ansonia

Lockwood, Maurice H.	New Britain
Lorenzi, Albert J.	New Haven
Lutin, Joseph (p)	Hartford
Lutwack, Edward E.	Hartford
Lyman, Oliver J. (p)	Somers

MacKay, Clarence B.	New Haven
Maier, Frederick C.	Jamaica Plain, Mass
Mallon, John M., Jr.	New London
Maloney, William F.	Waterbury
Mansfield, Wendell D.	New Haven
Marcus, Axel J. (p)	Rowayton
Marsh, Ernest R. (u)	New Milford
Matchton, David M.	Hartford
Mathewson, Robert H.	Bridgeport
May, Irving F.	Hartford
McCarron, Marcus A. (u)	Worcester, Mass.
Merriman, Irving H. (p)	Waterbury
Messenger, Wesley M.	Winsted
Middlebrook, Edward H.	Sharon
Miller, Arthur L. (r)	Torrington
Miller, Charles E.	New London
Miller, Frank P. (p)	Waterbury
Miller, Henry H.	Westminster, Mass.
Mills, Russell K.	West Haven
Mills, William H.	New Canaan
Miner, Earl F.	South Manchester
Miniter, Howard E.	Bridgeport
Minor, Lloyd W.	Berlin
Moore, Carroll P. (r)	Somers
Moriarty, Walter C.	Willimantic
Moylan, Henry T.	New Haven
Moynihan, Michael C.	South Manchester
Muldoon, William J.	New Haven
Mullane, James M.	Hartford
Munroe, Henry D. (p)	Brockton, Mass.
Munson, Emerson L.	New Haven
Murdick, Walter H.	Torrington

Neumann, Harold D.	West Haven
Nelson, John H.	Bridgeport
Niezelski, Joseph J.	Ansonia

O'Brien, Philip H.	Springfield, Mass.
Odell, Harold E. (p)	Thomaston
O'Leary, Eugene T.	Deep River

Oricckio, Ralph (p)	Shelton
Osborn, Evington A. (r)	Hartford
Osborn, Minott L.	Woodbridge

Palau, Henry	Essex
Palmer, James M.	Torrington
Parcells, Earle (p)	New Milford
Pardee, William D.	Orange
Parker, Carl S. (p)	Norwich
Pasternack, Joseph E. (r)	South Manchester
Pearson, Edward N.	Middletown
Peck, Wilbur W.	Orange
Pendleton, Merritt H. (r)	Middlefield
Penshorn, Everett F.	Jamaica Plains, Mass.
Pickett, Thomas J.	Willimantic
Pinkham, Vernon C. D. (r)	Hartford
Pinney, Robert E.	Farmington
Phillips, Earl W. (p)	Norwich
Plumb, Edward F.	New Milford
Pond, George O. (p)	Torrington
Pool, William H.	Roslindale, Mass.
Post, Joseph F.	Hartford
Powers, William F.	Worcester, Mass.
Prentice, Clifford D.	North Haven
Prescott, Clifford R.	New Haven
Price, Hugh B. (p)	Storrs
Price, Seymour G. (p)	Hartford
Pritchard, Charles H.	Wethersfield
Pullin, Daniel L.	Torrington
Putnam, Paul L.	Bloomfield
Putnam, Ralph S. (p)	Danvers, Mass.

Quigg, William F., Jr.	East Hampton

Radinsky, David	Hartford
Rahm, Rudolph E.	New Britain
Raphael, Edward	Hartford
Reed, Alfred L.	Danielson
Reeves, Richard L.	Danielson
Regester, Earle T. (p)	Meriden
Rice, Joseph M., Jr. (r)	New Haven
Rich, Clyde K. (u)	East Hampton
Richards, Charles I.	Bridgeport
Richards, Warren W.	Brooklyn, N. Y.
Ridgeway, Willis	Baltic
Riordan, Raymond J. (u)	New Haven

Roatberg, Irving S. (p)	Hartford
Roberts, Albert W.	Hartford
Rome, Victor	Hartford
Root, Louis F. (p)	Farmington
Rosenbaum, Jacob (p)	Hartford
Rourke, William J.	Orange
Rudberg, Herman R. (p)	Thomaston
Rullmann, Joseph W.	Killingworth
Russell, Roland A.	New Haven
Ryan, George T.	Worcester, Mass.
Ryan, John F.	Worcester, Mass.
Ryder, William W.	Danbury

Saffery, Albert F.	Chester
Sanford, Percil L. (r)	Hadlyme
Schappa, Walter J.	New Haven
Schenker, Andrew	Wallingford
Sclar, Louis M. (p)	Hartford
Scott, Dwight J.	Waterbury
Scranton, Clifford E.	South Manchester
Seelye, Norris F. (r)	Litchfield
Segur, Malcolm C.	Hartford
Seide, Julius J.	Hartford
Seymour, Rudolph M.	Ridgefield
Sheldon, David L.	Winsted
Shepard, Arthur J.	Torrington
Shepard, Harry B.	New Britain
Sherman, Edward R.	South Norwalk
Sheulman, Emanuel	Wallingford
Skoglund, Carlton E.	Willimantic
Skoglund, C. Edwin (r)	Willimantic
Slanetz, Charles A.	Hazardville
Slanetz, Edward J.	Hazardville
Slye, George E. (u)	Hartford
Smith, Elton J.	Clintonville
Smith, Richard B. (r)	Brattleboro, Vt.
Smith, Thomas A. (p)	New Haven
Sniffin, Charles R. (p)	Rowayton
Spaenkuch, Albert C. (p)	New Haven
Spencer, William L.	Quincy, Mass.
Spiegel, Gilbert H. (p)	Hartford
Starr, Frederick R.	Hartford
Stenberg, Arthur B.	New Britain
Stevens, Earle S.	East Hampton
Stevens, Harold S.	New Britain
Stone, Harold F. (p)	Higganum

Stone, Joseph	Hartford
Stotzenberg, Herman F. (r)	Shelton
Stoughton, Kenneth T. (p)	Thomaston
Stoughton, Lemuel E.	Warehouse Point
Stuart, James B.	Lakeville
Stumpf, George A.	Burnside
Sunderland, Ralph M. (p)	Ashford
Swanson, Edward A.	New Haven
Swenson, Oscar E.	New York City
Taylor, J. Collins (r)	Bloomfield, N. J.
Taylor, James W.	South Manchester
Thomas, Richard R. (r)	Ansonia
Thornton, Gordon H.	South Manchester
Traurig, Louis D.	Waterbury
Tripp, Richard N.	Hartford
Trott, Edward A.	Waterbury
Trotter, Earl T. (u)	South Manchester
Tyman, J. Francis (u)	South Manchester
Ulbert, August F. (p)	Hockanum
Van Buren, Charles N.	New Haven
Verplanck, Philip B.	South Manchester
Wahlberg, J. Edgar (p)	Ansonia
Wallace, Perry H.	Rockfall
Wallace, William J.	Torrington
Ward, George D.	New Britain
Ward, Harold S. (p)	New Britain
Ward, Samuel I.	Hartford
Warren, Dwight A. (r)	New Britain
Weeks, Willard H. (p)	Litchfield
Weiss, Samuel	Stamford
Wells, George S.	New Britain
Wenzel, Carl P. (p)	Stapleton, N. Y.
Wesner, George C.	Hartford
White, Henry B. (p)	Stratford
Williams, Everett F.	New Haven
Williams, Horace S.	Old Mystic
Wind, Herbert P.	Hartford
Wood, Walter F., Jr.	South Freeport, Maine
Woodford, Harold L.	Bloomfield
Wooding, Franklin W.	North Haven
Wooster, Ralph S.	Forestville
Wyer, Herbert S.	Cromwell

Yocher, Robert (r)	Derby
Yuon, Robert C.	New Britain
Zeitlin, Jacob H.	New Britain

SUMMARY.

Under eighteen	22
Rejected as physically unfit	38
Papers arrived too late for induction	73
Inducted into the service	278
Total	411

DEDICATED TO FORMER STUDENTS OF THE COLLEGE WHO MADE THE SUPREME SACRIFICE FOR THEIR COUNTRY

Billings Theophilus Avery, Jr.

Disease contracted in line of duty
Died in France, June 18, 1918

George Winthrop Bourn, Jr.

Chateau Thierry, France
Killed in action, July 26, 1918

Harry Lightbody Clinton

Meuse-Argonne, France
Killed in action, Sept. 28, 1918

Charles Arbid Johnson

Argonne Forest, France
Killed in action, Oct. 8, 1918

Fred Gregory Lyon

Gassed in the Argonne Forest
Died at Allerey, France, Dec. 3, 1918

Arthur Brunson Stephenson

Carruther's Field, Texas
Killed in aeroplane accident, Sept. 10, 1918

Richard Arnold Storrs

Wounded in action
Died in Vertuzy, France, Nov. 13, 1918

STUDENTS AND FORMER STUDENTS WHO ENTERED THE MILITARY SERVICE OF THE UNITED STATES.

Ackerman, Ralph C.
Ackerman, Walter T.
Alberti, L. Carl
Alcott, George B.
Alexander, Newton W.
Allen, Willard H.
Alling, Leon I.
Anderson, Victor A.
Andrews, Nathan
Austin, Carleton J.
Averill, H. Perry
Avery, Billings T., Jr.
Avery, Roy C.

Baeder, Edward W.
Bailey, Egbert J.
Bailey, Harold H.
Bailey, Thomas R.
Ball, George I.
Banta, Zabriskie T.
Barlow, Spencer W.
Barnard, Raymond H.
Barnes, Clark A.
Barnes, Walter P.
Barrett, Rollin H.
Barton, James R.
Bauer, Frederic
Beauregard, Louis J.
Beich, Thomas H.
Beisiegel, Herbert B.
Beebe, Fred E.
Belcher, Harold C.
Belden, Robert F.
Bennett, Hugh D.
Bentley, John M.
Bigger, John H.
Bishop, John P.
Bishop, Mark
Blackburn, Arthur H.
Blevins, Earle D.
Block, Raymond L.
Boas, Henry H. D.
Bothfeld, Harry J.
Bourn, G. Winthrop, Jr.
Bridges, Harold B.
Brigham, Earle E.
Brock, Charles R.
Brockett, Warren E.
Brow, Benjamin H.
Brown, Benjamin A.
Brown, Dauphin H., Jr.
Brown, Merrill E.
Brown, William H., Jr.
Buckingham, Charles W.
Buell, Albert A.
Burnham, Charles N.
Burrington, Warren D.
Burwell, Lawrence K.
Busby, A. Thacker
Butler, Paul L.

Cadwell, Murray K.
Cahill, Maurice R.
Camp, Percy A.
Card, Hubert V. W.
Carrier, Frederick H.
Carrier, William H., Jr.
Case, James R.
Case, Marcius E.
Cassel, Lawrence W.
Chaffee, Ralph G.
Chamberlain, Robert L., Jr.
Chapman, Charles S.
Chapman, Webster C.

Charter, Legrand F.
Chipman, Truman J.
Christophers, Herlef
Clark, Walter J.
Clinton, Harry L.
Coer, J. Edward
Cohen, Max L.
Cohen, Nathan A.
Collin, Louis H., Jr.
Comstock, Charter E.
Corey, William B.
Costello, Harry A.
Corning, Harold L.
Cowham, Fred E.
Crampton, Earle W.
Crawford, Bertram A.
Crofts, Alfred H.
Crompton, Harold M.
Crosby, Lincoln L.
Crowley, James L.
Curtis, Earle L.

Dahinden, Albert G.
Davis, Harold C.
Dean, Philip F.
Deming, Edward L.
Denison, Lloyd W.
Dickenson, Elmer N.
Dillon, Joseph R.
Dooley, Donald V.
Dow, Everett D.
Dow, Gardner
Downing, Theodore F.
Downs, Morris S.
Dutton, Vernet R.

Eaton, Austin C.
Eddy, Robert C.
Ellis, Harold B.
Ely, Ernest S.
Evans, Douglas A.
Evans, Howard E.

Fairchild, Ralph E.
Farnham, Elmer F.
Fellows, Imbert F.
Ferriss, Charles H.
Fienimann, Henry W.
Finney, William E.
Forbes, Alexander T.
Francis, Walter L.
Friedland, Fred E.
Frostholm, Arthur W.
Fuchs, J. William
Fuller, Irving W.

Gallup, Elmer
Gardner, Theodore R.
Gates, Donald W.
Geehan, James A.
Gerhardt, William E.
Gillis, John W.
Gleason, Howard H.
Gode, Rudolph L.
Goodearl, George P.
Goodrich, Howard B.
Goodwin, Henry R.
Gotberg, Charles E.
Graf, Daniel A.
Graf, William I.
Granniss. Edward R.
Grant, Clarence J.
Gray, William H.
Green, Gerald
Green, Mortimer J.
Griffin, Ralph R.
Griswold, Alfred H.
Griswold, Crawford
Griswold, Matthew H.
Griswold, Robert S., Jr.
Gronwoldt, William L.
Grunert, Werner P.

Hale, H. Gregory
Hall, Charles G.
Hanks, Harris G.
Harris, Russell S.
Harvey, John B.
Harvey, Samuel B.
Hastings, Frank W.
Hatch, Raymond G.
Hauschild, Paul J.
Hawley, Robert F.
Hayden, Randolph L.
Hayes, Earl E. A.

Hayes, George D.
Healey, John B.
Heath, Raymond W.
Heid, George
Hemmeler, Francis A.
Henry, Ralph I.
Hettinger, Mathias
Himes, Norman E.
Hilldring, John H.
Hoadley, Fred T.
Hodges, George V.
Hoffman, Lawrence B.
Homer, Willis H.
Honold, Waldo S.
Hopwood, Harry A.
Horton, Daniel G.
Horton, Daniel H.
Horwitz, Martin
Howes, Robert C.
Hughes, Robert P. B.
Hurlburt, Harold
Hutchinson, Galen C.

Ives, Lester A.
Ivers, Charles H.

Jaffee, David H.
James, Raymond T.
Jaynes, Harold A.
Jenkins, Harry K.
Jewett, Henry D.
Johnson, Arthur N.
Johnson, Charles A.
Johnson, Howard C.
Johnson, John P.
Judd, Everett G.

Keating, Thomas F.
Kaseowitz, Harold
Keeler, Robert R.
Ketcham, J. Foster
Kendall, Fred H.
Kenyon, Ferdinand M.
Kibbe, Leon H.
Kilbride, Joseph B.
Kimball, Arthur E.
Kinnear, George G.
Klein, Abraham
Knight, Rixford
Kostolefsky, Samuel

Lamb, Matthew J.
Langdon, William P.
Langhammer, Joseph
Laubscher, Louis K.
Laubscher, Martin P.
Lawlor, Peter P.
Lawrence, Leslie F.
Lawson, John T.
LeFebvre, Wilson L.
Leffingwell, Burton A.
Leffingwell, Harold N.
Leroy, Bias W.
Leschke, Emil R.
Linehan, Joseph J.
Lockwood, Harry B.
Lockwood, Maurice H.
Lucas, Russell C.
Luther, Edwin M.
Lyon, Fred G.

Maguire, Horatio E.
Mahoney, Francis J.
Maier, Frederick C.
Mallett, Alfred G.
Maloney, William F.
Manchester, Seward H.
Manning, Howard R.
Manning, Eugene A.
Manwaring, Paul N.
Many, Raymond L.
Marsh, Herbert E.
Marsh, Whitney L.
Marquardt, Adrian C.
Martin, J. Connard
Mason, Thomas D.
Mathewson, Robert H.
Mattoon, Robert T
MacKay, Clarence B.
McAuliffe, Vincent J.
McCall, Royce F.
McCarthy, John T.
McDermott, George J.
McDonald, Barnard A.
McDonough, Frank L.

McGann, Henry J.
McGill, Elizabeth A.
Mead, Sylvester W.
Meagher, Edmond F.
Metcalf, Arthur B.
Miller, Allie W.
Miller, Arnold L.
Miller, Charles E.
Miller, Frank P.
Miller, Joseph S.
Mills, F. Stanley
Miner, Leigh D.
Mitler, Frederick A.
Moore, Earle R.
Moore, Leslie B.
Morgan, William A.
Morse, Sanford B.
Moshier, Charles C.
Muller, John W.
Munroe, Henry D.
Murdock, Edwin
Murphy, Desmond
Murphy, Thomas F.
Musser, John B.

Nason, Fred G.
Neumann, Harold D.
Newmann, Charles W.
Newmarker, Edward L.
Nodine, Earl H.
Nolan, Frank J.
Norton, Julian H.

Olds, Harold S.
Oliver, Charles
Oliver, Clinton
Olsen, Edward A.
Osborn, Minnott L.

Palmer, Charles B.
Parcells, Norman H.
Parsons, Egbert R.
Patchen, Ernest H.
Pattee, Wardner R.
Peck, Clifford A.
Peterson, Ernest R.
Peterson, Malcolm
Pfennig, Clair N.
Platt, Clarence S.
Plumb, Edward F.
Plumley, Richard G.
Pool, William H.
Prentice, Clifford D.
Prentice, Samuel N.
Prescott, Clifford R.
Prindle, George L.
Pullen, Reginald J.
Putnam, Paul L.

Quigg, William F.

Ragna, Edward E.
Randall, Arthur J.
Randall, Elmer L.
Ransom, J. Ford
Rasmussen, Arnold R.
Rasmussen, Ernest J.
Rawson, Nelson C.
Reader, Charles H.
Reeve, Arthur J.
Renehan, Edward J.
Richards, Warren W.
Ricketts, Jay S.
Risley, Raymond M.
Roberts, Verne E.
Rogers, Elford R.
Romans, Squire B.
Rome, Victor
Roser, Martin L.
Rowe, Harold R.
Rowley, Thomas F.
Ryan, C. Edward
Ryan, J. Francis

Saffery, Alfred F.
Samuels, Joseph
Sanford, J. Bartlett
Sawin, Edward P.
Sawin, Robert W.
Schenker, Andrew
Schenker, Francis
Schildgen, Frank J.
Schimmel, William J. H.

Schmidt, Theodore B.
Schofield, Frederick L.
Schwartz, Paul L.
Scott, Dwight J.
Sears, George A.
Seggel, Louis W.
Segur, Malcolm C.
Senay, Charles T.
Seymour, Rudolph M.
Sexton, Karl E.
Shafer, Stanley I.
Shapiro, Israel
Shea, William D.
Shenker, Francis E.
Shurtleff, Dwight K.
Sherman, Edward R.
Sherman, Roger B.
Shulman, Emanuel
Skoglund, Carlton E.
Slanetz, Charles A.
Slanetz, Edward J.
Small, Carl M.
Smith, Elmer D.
Smith, Robert McC.
Smith, Walter B.
Spencer, William L.
Starr, Richard M.
Stephenson, Arthur B.
St. Germain, Albert R.
Stone, Clarence H.
Stone, Joseph
Storrs, Benjamin P.
Storrs, Richard A.
Stoughton, Lemuel E.
Street, Newton H.
Stretch, Eliot B.
Stumpf, George A.
Sullivan, John A.
Suydam, George E., Jr.
Swanson, Edward A.

Tanner, Alexander S.
Taylor, Rogers C.
Terek, Andrew V.
Thompson, Francis B.
Tonry, Henry L.
Traurig, Louis D.
Trinder, Frederick M.
Tyler, William C.

Ulrich, August C.
Upham, Alfred E.
Ungethuem, Walter J.

VanBuren, Charles N.
Vance, Robert J.
Vibert, Horace C.

Wallace, Perry H.
Ward, Samuel I.
Wardwell, Schuyler D.
Warner, L. Havelock, Jr.
Warner, Sherman R.
Watrous, Clifford S.
Watson, Arthur B.
Webb, Arthur J.
Weidlich, Henry
Weiss, Samuel
Wheaton, Sidney L.
Wheeler, Noyes D.
Wheelock, Charles T.
Whitham, Erwin W.
Wicks, Stanton D.
Wiepert, George D.
Wildes, Willis P., Jr.
Williams, Everett F.
Williams, Frank V.
Wilson, Edward W.
Wilson, Prescott C.
Winsor, Leigh D.
Wood, J. Francis
Wood, James H.
Wood, Walter F., Jr.
Woodford, Harold L.
Wooding, Franklin W.
Wooster, Ralph S.
Wright, Herbert W.
Wright, John L.
Wright, Wilford H.

Young, Merle R.
Young, Roger W.

Total 426

STUDENT ENROLLMENT.

1918-1919.

Seniors.

Bird, Arthur C.	Waterbury
Brock, Charles R.	Whitneyville
Butler, Mrs. Annette S.	Bridgeport
Cassel, Lawrence W.	Bridgeport
Clark, Helen L.	Norwalk
Crosby, Lincoln L.	Manchester
Daggett, Gladys V.	Moosup
Durham, George B.	Storrs
Hirsh, Donald J.	New York City
Moss, Eleanor S.	West Cheshire

Juniors.

Bauer, Frederic	Newark, N. J.
Belden, Robert F.	Danbury
Bridges, Harold B.	Worcester, Mass.
Brigham, Earle E.	Worcester, Mass.
Evans, Douglas A.	Danbury
Guilfoile, Loretto W.	Waterbury
Lockwood, Harry B.	Watertown
Mahoney, Francis J.	Worcester, Mass.
Manwaring, Paul N.	Waterbury
Miller, Flora M.	Clinton
Murphy, Thomas F.	Worcester, Mass.
Neumann, Charles W.	West Haven
Osborn, Minott L.	Woodbridge
Ryan, J. Francis	Worcester, Mass.
Schimmel, William J. H.	Brooklyn, N. Y.
Scott, Dwight J.	Waterbury
Wooding, Franklin W.	North Haven
Wright, Herbert W.	New Haven

Sophomores.

Alcott, George B.	Avon
Alexander, Newton W.	Waterbury
Austin, Carlton J.	Weston, Vt.
Blevins, Earle D.	Hartford
Bristol, Frances B.	Andover

Brockett, Warren E.	Clintonville
Buell, Ruth S.	Clinton
Burghardt, Ruth M.	Interlaken, Mass.
Camp, Percy A.	Durham
Carpenter, Ernest E.	Bloomfield
Clark, E. Selden	East Hampton
Compton, Charles C.	Brattleboro, Vt.
Corey, William B.	New Milford
Cylkowski, Stella	Avon
Dodge, Margaret	Storrs
Dow, Everett D.	Hartford
Dow, Gardner	New Haven
Downs, Morris S.	Danbury
Dwyer, Mary F.	Waterbury
Fienemann, Henry W.	Farmington
Gates, Donald W.	East Hampton
Graf, Daniel A.	Stamford
Gronwoldt, William L.	Storrs
Hallock, Agnes M.	Washington Depot
Hartwell, Chalmers M.	Watertown
Hutchinson, Galen C.	Passaic, N. J.
Johnson, John P.	Shelton
Lee, Vera A.	Hartford
Lockwood, Maurice H.	New Britain
Luddy, Gertrude	New Britain
Maier, Frederick C.	Jamaica Plains, Mass.
Maloney, William F.	Waterbury
Moss, Dorothy M.	Naugatuck
Neumann, Harold D.	West Haven
Osborn, Evington A.	Hartford
Pool, William H.	Roslindale, Mass.
Prescott, Clifford R.	New Haven
Quigg, William F., Jr.	East Hampton
Schenker, Andrew	Wallingford
Seymour, Rudolph M.	Ridgefield
Schoolnick, Rose	Hartford
Shulman, Emanuel	Wallingford
Simonson, Alice M.	Milford
Smith, Salome C.	Hartford
Spencer, William L.	Quincy, Mass.
Taylor, J. Collins	Bloomfield, N. J.
Wallace, Perry H.	Rockfall
Ward, Samuel I.	Hartford
Woodford, Harold L.	Bloomfield

Freshmen.

Abbe, Raymond C.	Hazardville
Alling, Leon I.	Kensington
Baldwin, Dorothy M.	Seymour
Barnes, Walter P.	New Canaan
Beeghly, Mary R.	Greenwich
Bennett, Mabel A.	Hartford
Bidwell, Gladys E.	Thomaston
Bishop, John P.	Bridgeport
Boas, Henry H. D.	Grantwood, N. J.
Boulanger, Francis A.	Hartford
Burrington, Warren D.	Worcester, Mass.
Calechman, Henry E.	New Haven
Carrier, Frederick H.	Manchester
Chaffee, Ralph G.	Somers
Chapman, Olive L.	Glastonbury
Dean, Arthur H.	West Hartford
Dean, Philip F.	Glastonbury
Denison, Lloyd W.	New London
Dick, Dorothy R.	New Haven
Eaton, Austin C.	Auburndale, Mass.
Ericson, Viola A. A.	New Britain
Ferriss, Charles H.	New Milford
Finney, William E.	Woodbridge
French, Henry E., Jr.	Farmington
Gardner, Theodore R.	Tolland
Gay, Mildred L.	Winsted
Goggin, Frederick J.	East Canaan
Gotberg, Charles E.	South Manchester
Goldthorpe, Gladys V.	Somerville
Graf, William I.	Stamford
Granniss, Edward R.	New Haven
Hatch, Raymond G.	West Hartford
Hawley, Franklin W.	Brookfield
Hawley, Robert F.	Hartford
Heath, Raymond W.	Hartford
Hemmeler, Francis A.	New Haven
Himes, Norman E.	Norwich
Howes, Robert C.	Manchester
Hughes, Robert P. B.	Manchester
Jaquith, Philip B.	Hartford
Jaynes, Harold A.	Orange
Johnson, Robert E.	Norwich
Keeler, Robert R.	Ridgefield
Kennedy, Paul F.	New Haven
Kibbe, Leon H.	New Haven

Klein, Abraham	Hartford
Klein, Isadore	Hartford
Kostolefsky, Samuel	Bridgeport
Lawson, Donald H.	Middle Haddam
Lyman, Oliver J.	Somers
Marsh, Ernest R.	Worcester, Mass.
Martin, J. Connard	Milford
Mathewson, Robert H.	New Milford
McCarron, Marcus A.	Camden, N. J.
McDermott, George J.	Bridgeport
Mitchell, Arthur M.	Washington
Moore, Carroll P.	Somers
Peckham, Oliver H. P.	Norwich
Pinkham, Vernon C.	Hartford
Pinney, Mabel	Ellington
Plumb, Edward F.	New Milford
Potter, Katherine E.	Sound Beach
Prentice, Clifford D.	North Haven
Putnam, Paul L.	Bloomfield
Ransom M. Louise	Winsted
Rome, Victor	Hartford
Saffery, Elizabeth	Chester
Slanetz, Charles A.	Hazardville
Slanetz, Edward J.	Hazardville
Sniffen, Esther M.	Bridgeport
Stevens, Helen L.	Storrs
Stone, Joseph	Hartford
Swanson, Edward A.	New Haven
Traurig, Louis D.	Waterbury
Tuttle, Merle O.	Broad Brook
Van Buren, Charles N.	New Haven
Webb, Herbert F.	Greenwich
Weiss, Samuel	Stamford
White, Enos R.	Brattleboro, Vt.
Wood, Walter F., Jr.	Tenafly, N. J.
Wooster, Ralph S.	Forestville

Specials.

Anderson, Edith	Brookfield Center
Anderson, Ruth G.	Willimantic
Baeder, Edward W.	Torrington
Beisiegel, Herbert B.	Woodbridge
Bissell, Mrs. Alzina H.	Oak Bluffs, Mass.
Brow, Benjamin H.	Providence, R. I.
Chapman, Webster C.	Hartford
Corrigan, Lena	Hartford
Ellis, Elizabeth M.	Norwich

Faulkner, Lionel E.	Andover
Fuchs, J. William	Stamford
Griswold, Crawford	Hartford
Harvey, John B.	Willimantic
Holbrook, Arscel	Storrs
MacKay, Clarence B.	New Haven
Maxwell, Helen	Rockville
Miller, Joseph S.	Meriden
Palmer, James E.	Shelton
Pullen, Reginald J.	Hartford
Rich, Clyde K.	East Hampton
Roberts, Verne E.	Bristol
Saffery, Alfred F.	Chester
Sawin, Edward P.	Waverley, Mass.
Segur, Malcolm C.	Hartford
Stoughton, Lemuel E.	Warehouse Point
Taylor, Rogers C.	East Norwalk
Williams, Everett F.	New Haven

School of Agriculture.

Elcock, Thomas A.	New Britain
Ford, Winthrop U.	Windsor
Fox, Albert H.	Montville
Helm, William P.	South Windsor
Hemion, Dwight A.	Westville
Hyde, Theodore R.	West Haven
Leader, Nathan	Hartford
Lilly, Thomas R.	Stamford
Markham, Chauncey G.	Hartford
Olds, Raymond F.	Willimantic
Pendleton, Merritt H.	Middlefield
Richards, Warren W.	Hartford
Richdale, Walton S.	Westport
Smith, John J.	Cos Cob
Stevens, Roger F.	Springfield, Mass.
Wenzel, Carl P.	Stapleton, N. Y.

Enrollment by Classes

Senior Class	10
Junior Class	18
Sophomore Class	49
Freshman Class	81
Special Students	27
School of Agriculture	16
Total	201
Men	160
Women	41

SUMMARY OF ENROLLMENTS

Four-year Courses	158
Two-year Courses	16
Special Students	27
Junior Short Course	77
Students Army Training Corps	411
Total for all courses	689
Names counted twice	106
Net total attendance 1918-1919	**583**

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